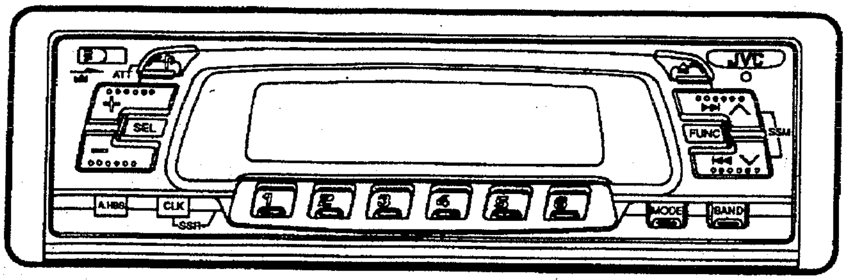
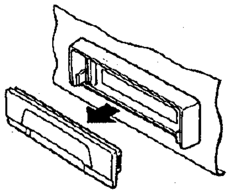
JVC

SERVICE MANUAL

CD CHANGER RECEIVER

KD-GT7 B/E/G/GE/GI





DIGIFINE

Detachable

COMPACT disc DIGITAL AUDIO

Area suffixes	
B	u.k.
E	Continental Europe
G	Germany
GI	Italy
GE	Austria, Switzerland and Eastern Europe

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No.49199
February 1994

Safety Precautions

Important for Laser Products

1. CLASS 1 LASER PRODUCT
2. DANGER: Invisible laser radioation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. CAUTION: Do not open the bottom cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
4. CAUTION: The compact disc player uses invisible laser radiation and is equipped with safety switches which prevent emission of radiation when unloading cartridge and the safety interlocks have failed or are defeated. It is dangerous to defeat the safety switches.
5. CAUTION: Use of controls of adjustments or performance of procedures other than those specified herein may result in hazardous radioation exposure.

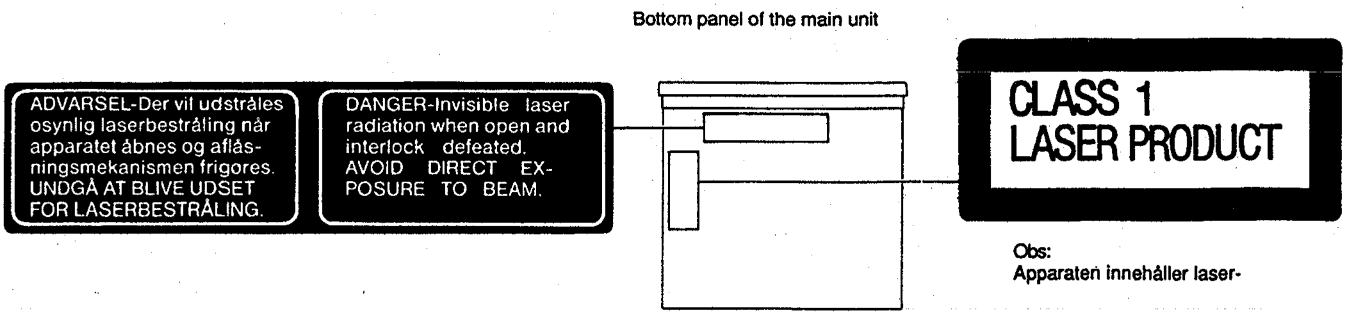
ADVERSEL: Usynlig laserstråling ved åbning. når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS: Varmuuskytkimen oliessa pois päältä kun laite avataan, siellä kehittyy näkymätöbtä lasersäteilä. Älä pane itseäsi säteilyn altiiksi.

VARNING: Osynlig laserståining uppstår vid komponentens öppning när säkerhetsbrytaren är frånslagen.

ADVARSEL: Usynling laserstråling ved åpning når sikkerhetsbryteren er ude af funktion Unngå utsettelse for stråling.

IDENTIFICATION LABEL AND CERTIFICATION LABEL



Bottom panel of the main unit

ADVARSEL-Der vil udstråles osynlig laserbestråling når apparatet åbnes og aflåsningsmekanismen frigores. UNDGÅ AT BLIVE UDSET FOR LASERBESTRÅLING.

DANGER-Invisible laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM.

CLASS 1
LASER PRODUCT

Obs:
Apparaten innehåller laser-

Content of Instruction

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SPECIFICATIONS

CD CHANGER /AUDIO AMPLIFIER SECTION
Type: Compact disc player
Signal Detection System: Non-contact optical pickup (semiconductor laser)
Number of Channels: 2 channels (stereo)
Frequency Response: 5 to 20,000 Hz
Dynamic Range: 95 dB
Signal-to-Noise Ratio: 98 dB
Wow & Flutter: Less than measurable limit
Output Level: 1.5 V/20 kΩ load (Full scale)
Output Impedance: 1 kΩ
Maximum Power Output: (Front) 25 W per channel (Rear) 25 W per channel
Continuous Power Output (RMS): (Front) 12 W per channel into 4 Ω, 40 to 20,000 Hz at no more than 0.8% total harmonic distortion. (Rear) 12 W per channel into 4 Ω, 40 to 20,000 Hz at no more than 0.8% total harmonic distortion.
Load Impedance: 4 Ω (4 to 8 Ω allowance)
Tone Control Range
Bass: ±10 dB at 100 Hz
Treble: ±10 dB at 10 kHz
Frequency Response: 40 to 20,000 Hz
Signal-to-Noise Ratio: 70 dB

RADIO SECTION
Frequency Range
FM: 87.5 to 108.0 MHz
AM: (MW) 522 to 1,620 kHz
(LW) 144 to 279 kHz
[FM Tuner]
Usable Sensitivity: 12.1 dBf (1.1 μV/75 Ω)
50 dB Quieting Sensitivity: 16.3 dBf (1.8 μV/75 Ω)
Alternate Channel Selectivity: (400 kHz): 65 dB
Frequency Response: 40 to 15,000 Hz
Stereo Separation: 30 dB
Capture Ratio: 1.5 dB
[MW Tuner]
Sensitivity: 20 μV
Selectivity: 35 dB
[LW Tuner]
Sensitivity: 50 μV

GENERAL
Power Requirement
Operating Voltage: DC 14.4 volts (11 to 16 volts allowance)
Grounding System: Negative ground
Dimensions (W x H x D)
Installation Size: 182 x 52 x 165 mm (7-3/16" x 2-1/16" x 6-1/2")
Panel Size: 190 x 58 x 20 mm (7-1/2" x 2-5/16" x 13/16")
Amplifier unit : 178 x 25 x 170 mm (7-1/8" x 1" x 6-3/4")
Gross Weight: 3.6 kg (8 lbs)

USABLE MAGAZINES
3-CD Magazine (XC-M30)

Design and specifications subject to change without notice.

FEATURES

- 3-Disc Magazine Loading System
- Detachable Control Panel
- Direct Disc Select/Skip Play/Search Play/Repeat Play/Random Play/Intro Play
- High Sensitivity Tuner
- AM/FM Stereo PLL Synthesizer Tuner
- 24-Station Preset Tuning (FM-18, AM [MW/LW]-6)
- Preset Scan/Scan/Seek/Manual Tuning
- Strong-station Sequential Memory (SSM)
- Special-preset Station Reserve (SSR)
- SK/DK Traffic Information Reception (G/GE)
- 4-Channel Amplifier System
- Maximum Power Output of 25 watts per channel (Front)/25 watts per channel (Rear)
- Active Hyper-Bass Sound
- Active-illuminated Operating System (AOS)
- Digital Clock Display
- Line Output Terminals (Front/Rear)

IMPORTANT INFORMATION

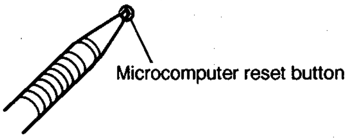
1. This unit is designed to operate with 12 volts DC, NEGATIVE ground electrical systems only.
2. Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC "IN-CAR ENTERTAINMENT" dealer.
3. If noise is a problem...
   This unit incorporates a noise filter in the power circuit. However, with some vehicles, clicking or other unwanted noise may occur. If this happens, connect the unit's rear ground terminal to the car's chassis using shorter and thicker cords, such as copper braiding or gauge wire. If noise still persists, consult your JVC "IN-CAR ENTERTAINMENT" dealer.

Antenna Noise
If you can hear static noise when listening to either AM (MW/LW) or FM, check for loose antenna connections.

Microcomputer Reset Button

After completing installation and all connections, press this button (using a ball-point pen, etc.) to reset the built-in microcomputer. Use this button only when the power supply is interrupted, such as after replacing the car's battery, when the microcomputer does not function correctly due to noise, or when this unit's buttons do not operate normally.

- When the message "ERROR 11–16" is shown in the display, press the Reset button.
- This unit requires several seconds to fully reset when the Reset button is pressed. Pay attention as the control panel opens after resetting the unit.



Mistracking
Mistracking may occur when driving on extremely rough roads. Although this will not damage the unit or the CD, it can be annoying. We recommend that you stop playback and wait until the road conditions have improved, before restarting the unit.

PRECAUTIONS

1. **Avoid Installing In The Following Places**
   - Where exposed to direct sunlight, near a heater, or in extremely hot places.
   - Where exposed to water or excessive humidity.
   - Where exposed to dust.
2. **Car's Internal Temperature**
   Before listening to CDs after your car has been parked for some time in low or high temperatures, wait until the temperature inside the car stabilizes.
3. **Condensation**
   In the following cases, moisture may condense on the lens, a critical part of the CD changer, making the CD signal unreadable:
   - When a heater has just been turned on.
   - When humidity is high.

   In these cases, unload the CD magazine and wait for 1 or 2 hours with the power switched ON to let the moisture dry.
4. **Volume Setting**
   - CDs produce very little noise compared with analog sources. If the volume level is adjusted for these sources, the speakers may be damaged by the sudden increase in the output level. Therefore, lower the volume before operation and adjust it as required during playback.
   - Adjust the volume so that you can hear sounds outside the car

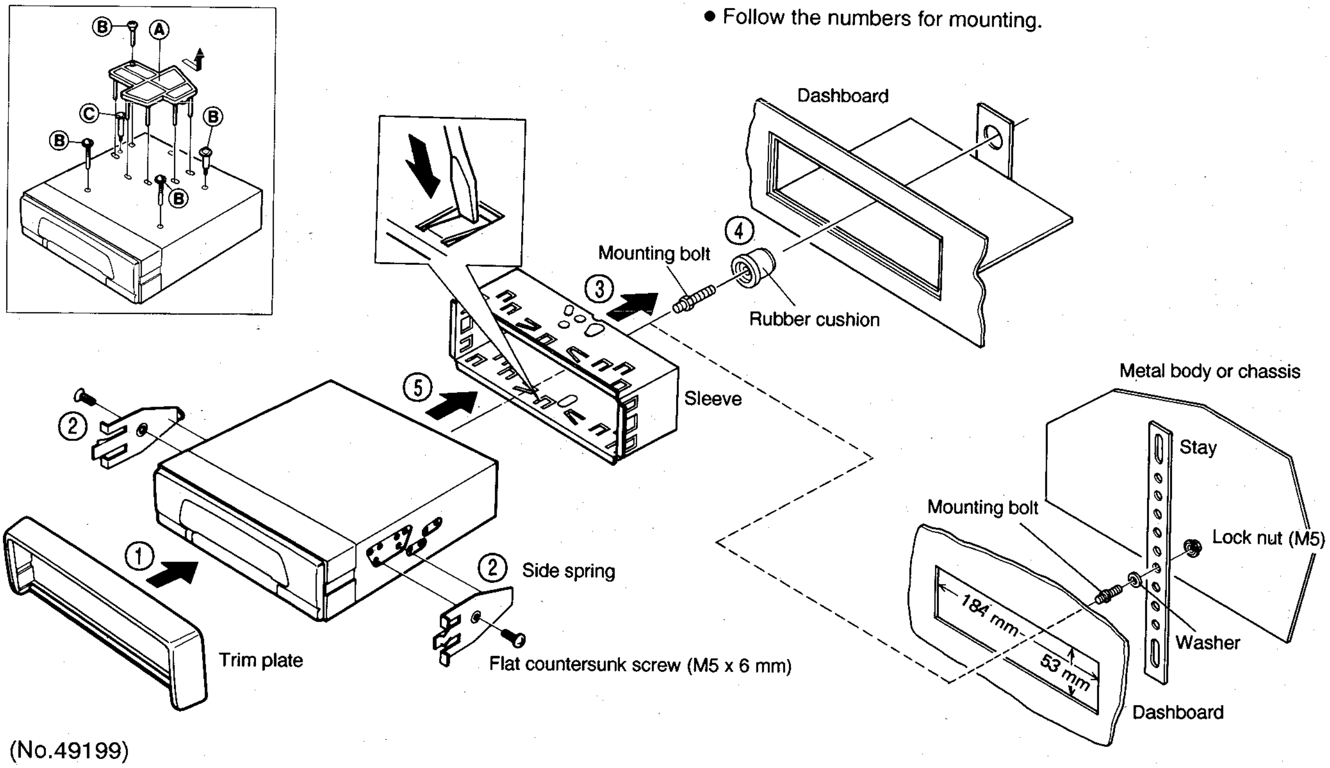
INSTALLATION (IN-DASH MOUNTING)

- Before installation, remove the transportation holder Ⓐ fixed by screws Ⓑ, and pull out the locking pin Ⓒ, as shown.

- The following illustration shows a typical installation. However, you should make adjustments corresponding to your specific car. If you have any questions or require information regarding installation kits, consult your JVC "IN-CAR ENTERTAINMENT" dealer.

① Attach the trim plate.
②' Attach the 2 side springs.
③ Install the sleeve in the dashboard.
* After the sleeve is correctly installed in the dashboard, bend the appropriate tabs to hold the sleeve firmly in place, as shown.
④ Fix the mounting bolt to the rear of the unit's body and place the rubber cushion over the end of the bolt.
⑤ Slide the unit into the sleeve until they are locked together.

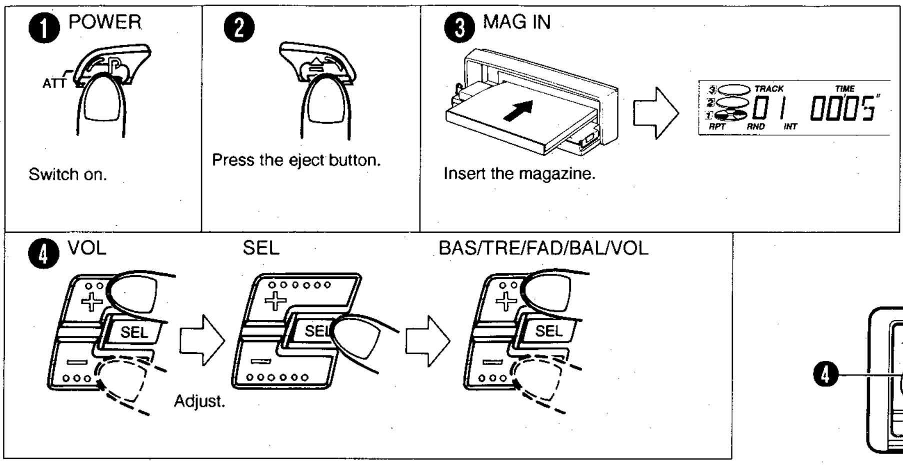
- Follow the numbers for mounting.



PLAYING COMPACT DISCS

How To Play All Tracks
(Example: assuming 3 discs are loaded in the magazine.)

Operate in the order shown.

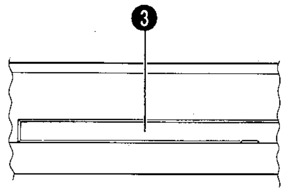


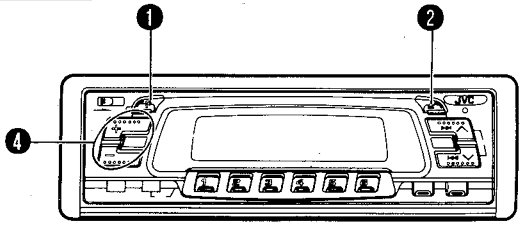
Switch on.

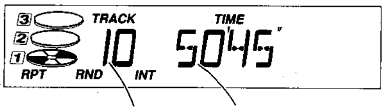
Press the eject button.

Insert the magazine.

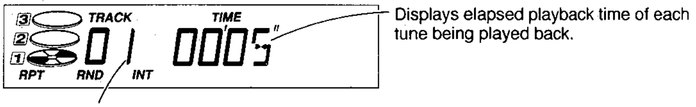
Adjust.







Total number of tracks (tunes). Total playback time.



Displays elapsed playback time of each tune being played back.

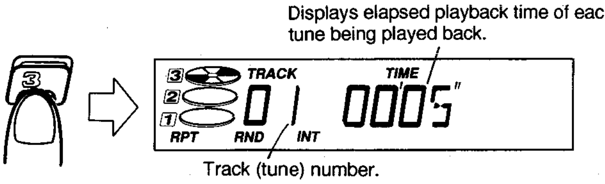
Track (tune) number.

- When all tracks on the first disc have been played, the second disc starts automatically from the first track.

Disc Selection

- Direct Disc Selection
  Press the Disc No. button (No.1 to No.3) corresponding to the required disc. CD play starts when the Disc Mark, Track No. and Time indicators light.
  Example:
  (How to designate Disc 3)

Displays elapsed playback time of each tune being played back.



Track (tune) number.

Skip Playback

- During playback, you can easily skip to the beginning of the previous, current, or next track, and playback will start again from there.

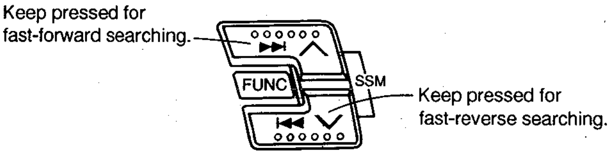
How to listen to the next track...
Press the (►►I) button once to skip to the beginning of the next track.

How to listen to the previous track...
Press the (I◄◄) button once to skip to the beginning of the current track, then again to skip to the previous track.
*When disc select and skip operations are performed in sequence, the required track from the required disc can be selected.

Search Playback

(How to locate a required position on the disc.)

- The required position can be located using fast-forward or reverse search during playback.
- Hold down the button to commence searching. (The search speed increases the longer the button is pressed.)
- Since a low sound level can be heard (approx. one quarter of playback), monitor the sound and release the button when the required position is located.



Keep pressed for fast-forward searching.

Keep pressed for fast-reverse searching.

Repeat Playback

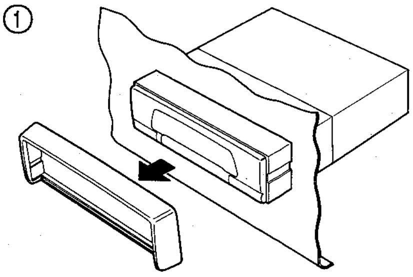
Each time the RPT button is pressed, after the MODE button has been pressed and the CD Changer Mode indicators are blinking, the mode changes from RPT I (the REPEAT 1 indicator lights) to RPT II (the REPEAT 2 indicator lights) to Clear mode, in this order.

Removing the unit

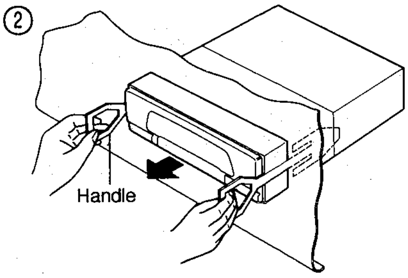
- Before removing the unit, release the rear section.

① Remove the trim plate.
② Insert the 2 handles between the side springs and the sleeve, as shown. Then, while gently pulling the handles away from each other, slide out the unit.

①



②

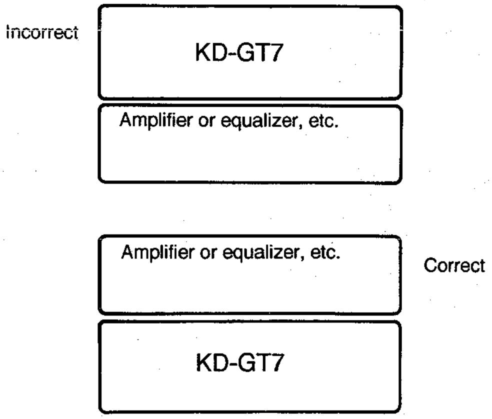


Installing With Other Equipment

When installing this unit with other equipment, make sure it is positioned under them so its temperature does not rise.

Notes:

1. When installing the unit on the mounting bracket, be sure to use the 6 mm-long screws. If longer screws are used, they could damage the unit.
2. This unit should be installed horizontally. If not possible, install it at an inclination of 20° or less with respect to the front panel.



Installation (Amplifier section)

Avoid the outlet of the car's heater when installing this unit.

Note:
Since heat is generated in this unit, do NOT mount it near anything which could catch fire. Mount it in a location that will enable the dissipation of heat from the unit. (Avoid installing it under car mats, etc.)

ELECTRICAL CONNECTIONS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit. If you are not sure how to install this unit correctly, have it installed by a qualified technician.

Note:
This unit is designed for a 12-volt DC negative ground. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC "IN-CAR ENTERTAINMENT" dealers.

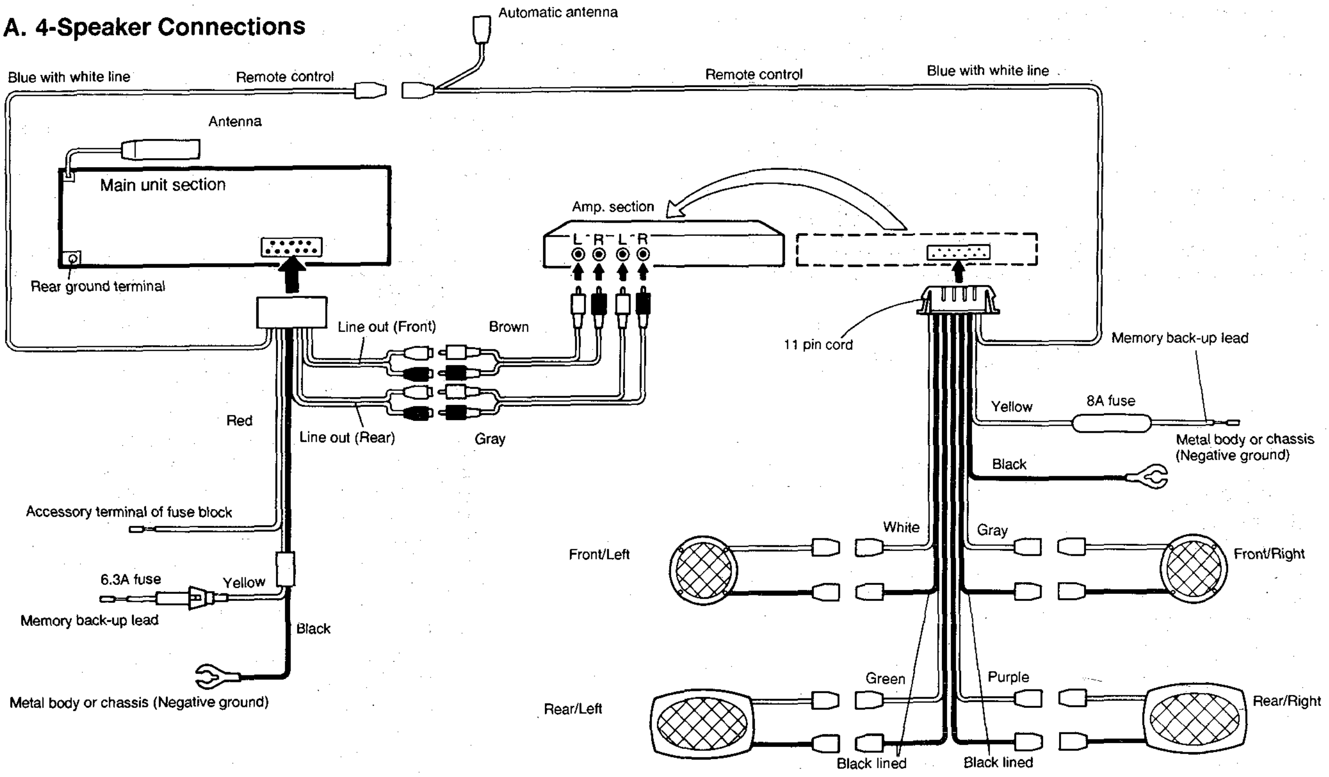
- Maximum input of the speakers should be more than 25 watts at the rear and 25 watts at the front, with an impedance of 4 to 8 ohms.

CAUTIONS:
As this unit uses BTL (Balanced Transformerless) amplifier circuitry (floating ground system), please comply with the following:

1. Do NOT connect the black-lined speaker leads to a common point.
2. Do NOT connect the speaker leads to the metal body or chassis.
3. Cover the terminals of the leads that are NOT used with insulating tape, to prevent them from shorting.

- Be sure to ground this unit to the car's chassis.

A. 4-Speaker Connections


Automatic antenna
Blue with white line
Remote control
Remote control
Blue with white line
Antenna
Main unit section
Rear ground terminal
Amp. section
L R L R
Line out (Front)
Brown
11 pin cord
Memory back-up lead
Red
Line out (Rear)
Gray
Yellow
8A fuse
Metal body or chassis (Negative ground)
Black
Accessory terminal of fuse block
White
Gray
Front/Left
Front/Right
6.3A fuse
Yellow
Memory back-up lead
Black
Green
Purple
Metal body or chassis (Negative ground)
Rear/Left
Rear/Right
Black lined
Black lined

12

B. Line Terminal Connections (Line Out)

Since this unit has line-out terminals, an amplifier and other equipment can be used to upgrade your car stereo system.

- With an amplifier, connect this unit's line-out terminals to the amplifier's line-in terminals.

C. Power Aerial (Automatic Antenna) Connections

This unit can perform automatic extension/retraction of a power aerial when the power is turned ON/OFF. The remote lead connection (blue with white lines) from the audio unit is via a separate relay to the aerial motor unit.

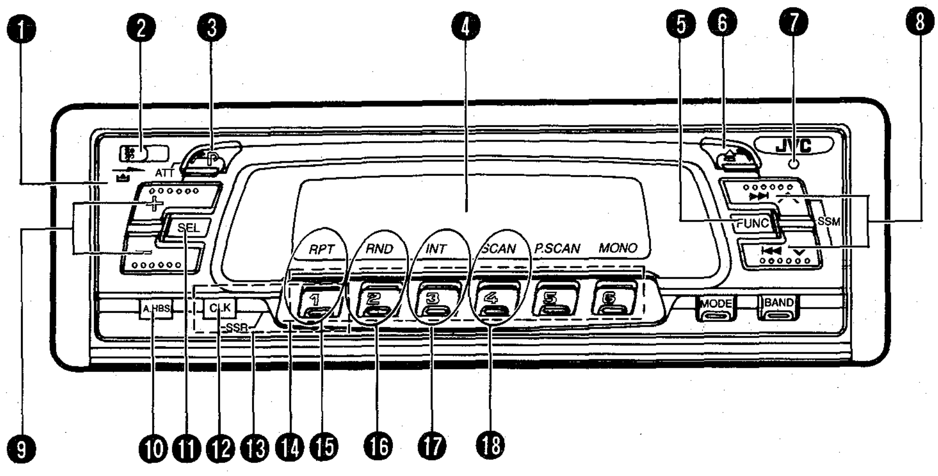
D. Memory Back-Up Lead

Connect this lead to a LIVE power source (supplied even when vehicle ignition is OFF).

E. Fader Control

- **When used in a 4-speaker system**
  Use this control to balance the volume levels of the front and rear speakers. Set Fader mode using the SEL button and press the + Level Control button to decrease the volume level of the rear speakers, and – to decrease that of the front speakers. The overall volume level can be adjusted in Volume mode. (See page
- **When used in a 2-speaker system**
  Set this control to the center position ("00" is displayed).

LOCATION OF CONTROLS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❽
ATT
SEL
RPT
RND
INT
SCAN
P.SCAN
MONO
FUNC
SSM
JVC
A.HBS
CLK
SSB
MODE
BAND
1
2
3
4
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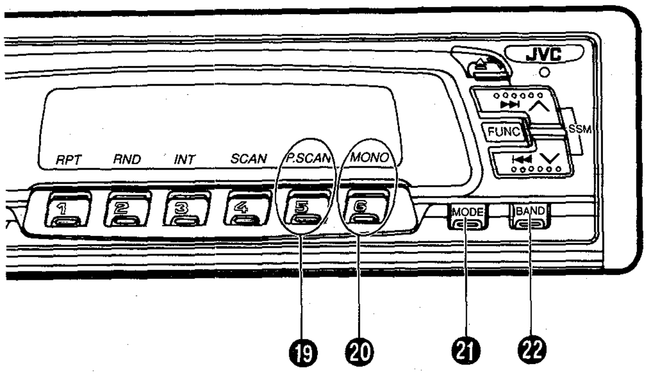
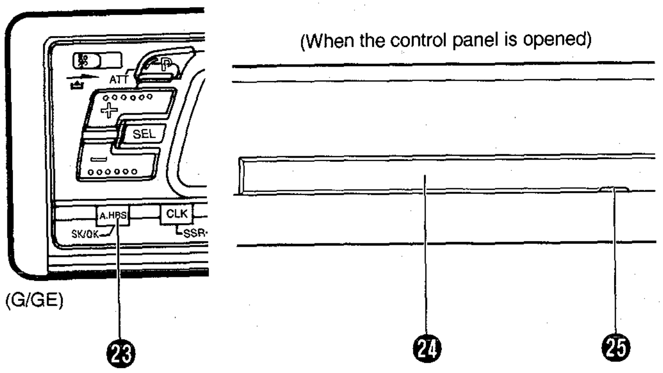
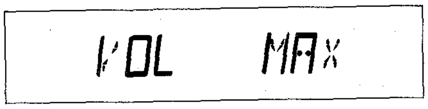


(When the control panel is opened)



(G/GE)

㉖


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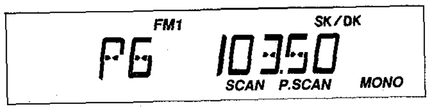

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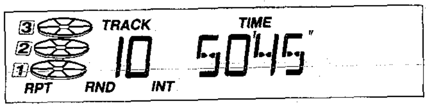

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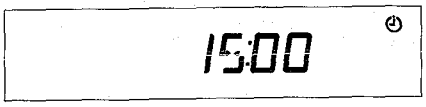


❶ Control panel
❷ Control Panel Release (⏏) switch
❸ POWER (P)/Attenuator (ATT) switch
POWER: Press to turn the power ON. Press for more than 1 second to turn the power OFF.
ATT: When this button is pressed during operation, the volume drops and the ATT indicator blinks. Press again to return to the original volume.
❹ Display window
❺ Function (FUNC) button
❻ Eject (⏏) button
❼ Microcomputer Reset button
❽ Tuning/SSM/Time Adjustment/Skip (search) buttons
Up frequency/Minute adjustment (∧)/(⏭)
Down frequency/Hour adjustment (∨)/(⏮)
❾ Level Control buttons
Use to adjust the volume, bass, treble, fader and balance.

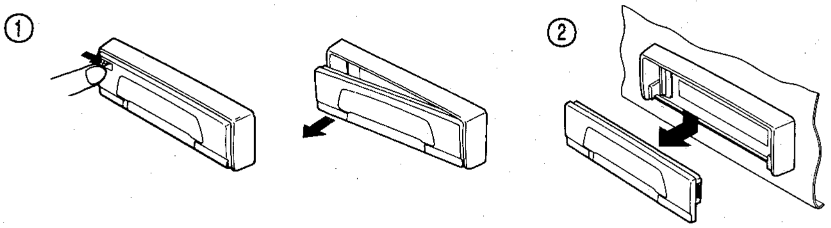
❿ Active Hyper-Bass Sound (A.HBS) button (B/E/GI)
⓫ Electronic Control Mode Select (SEL) button
⓬ Clock (CLK) button
⓭ Special-preset Station Reserve (SSR) buttons
⓮ Preset Station buttons (No.1 to No.6)/Disc Number buttons (No.1 to No.3)

- Press the following buttons (⓯ to ⓴) after the MODE button has been pressed and the Mode indicators are blinking. Five seconds after completing the operation, the Mode indicators light.

⓯ Repeat (RPT) button and indicator
⓰ Random (RND) button and indicator
⓱ Intro (INT) button and indicator
⓲ Scan (SCAN) button and indicator
⓳ Preset Scan (P. SCAN) button and indicator
⓴ Mono (MONO) button and indicator
㉑ MODE button
㉒ BAND button
㉓ Active Hyper-Bass Sound (A.HBS) button
SK/DK button (G/GE)
㉔ CD magazine loading slot
㉕ CLOSE button
㉖ Indicators (for Audio Control section)
Volume (VOL)
Bass (BAS)
Treble (TRE)
Fader (FAD)
Balance (BAL)
ATT (ON/OFF)
Level indicator
A.HBS (ON/OFF)
㉗ Indicators (for Tuner section)
Band (FM1-FM2-FM3-AM)
Radio frequency
Preset Station
SCAN
P.SCAN
MONO
MEMO
SSR (ON/OFF)
STEREO
MONORAL
SSM
SK/DK (G/GE)
㉘ Indicators (for CD Changer Control sections)
3 ⊜
2 ⊜
1 ⊜
MAG IN
LOAD
PLAY
NO MAG
NO DISC
TRACK
Track number
TIME
EJECT
RPT (I, II)
REPEAT (1, 2)
RND (I, II)
RANDOM (1, 2)
INT (I, II)
INTRO (1, 2)
㉙ Indicators (for other controls)
MODE
POWER OFF
DEMO OFF
Time
(🕘)
JVC
3 DISC
TUNER
INFO (G/GE)
T-INFO (G/GE)

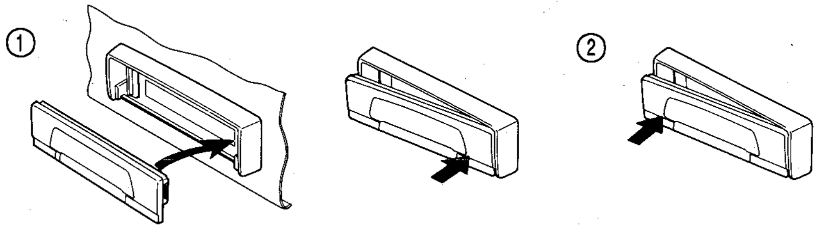
How To Detach The Control Panel

① Slide the Control Panel Release (⏏) switch in the direction of the arrow to detach the control panel.
② Pull the control panel out of the main unit, as shown below.
- Put the control panel in the provided case for protection.



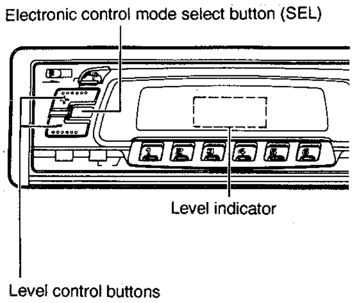
How To Attach The Control Panel

① Align the right side of the control panel with the right side of the holder.
② Press the left side to set it correctly.



Note:
- Be careful not to damage the connector terminals when attaching/detaching the control panel or while the control panel is removed.

Audio Level Control

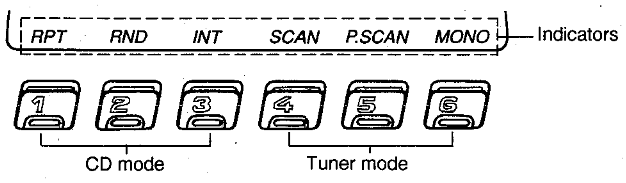


Electronic control mode	−	+
VOL Volume	Decreases MIN – MAX	Boosts MIN – MAX
BAS Bass	Decreases MIN – 00	Boosts 00 – MAX
TRE Treble	Decreases MIN – 00	Boosts 00 – MAX
FAD Fader	Rear R MAX – 00	Front 00 – F MAX
BAL Balance	Left L MAX – 00	Right 00 – R MAX

Active Hyper-Bass Sound Button

Press the A.HBS button to listen to hyper-bass sound. (B/E/GI)
Press the A.HBS button for more than 2 seconds to listen to hyper-bass sound. (G/GE)

AOS (Active-illuminated Operating System)



The indicators corresponding to each mode turn red in order to make operation simple. (For example the SCAN, P.SCAN and MONO indicators light when Tuner mode engaged. When the MODE button is pressed while in Tuner mode, the SCAN, P.SCAN and MONO indicators blink. If one of the required mode buttons is pressed while the indicators are blinking, the corresponding operation mode is engaged.)
* Each time the power is swiched ON, "JVC" is displayed.

*** AOS Demonstration mode**

In this mode, each of the AOS indicators alternately blinks.
Press the Preset Station button (2) for more than 3 seconds while pressing the FUNC button, to enter AOS Demonstration mode. When in AOS Demonstration mode, normal operation of the unit is possible, with functions being indicated in the display. (After operation is completed, AOS Demonstration mode resumes in 15 seconds.) To cancel this mode, press the Preset Station button (2) for more than 3 seconds while pressing the FUNC button.

CONCERNING COMPACT DISCS AND MAGAZINES

- Use only CDs with the following mark:
- Use only CD magazines with the following mark: (Other magazines cannot be used.)

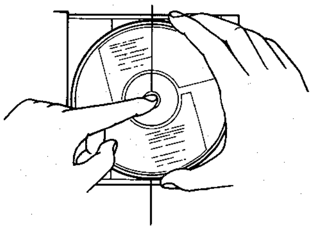
COMPACT disc DIGITAL AUDIO

3-DISC

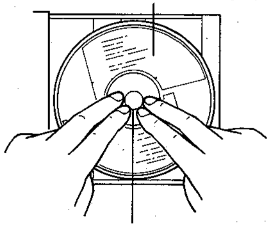
Notes On Handling Discs

Be sure to keep the discs in their cases. If discs are piled on top of one another without their cases, they may be damaged.

Do NOT put discs where they will be exposed to direct sunlight or in places subject to high temperatures and humidity. Avoid leaving discs in your car.


Press down on the center holder.

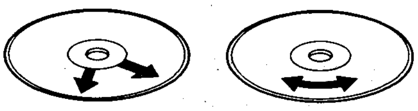
Lift it out without touching the recorded surface.


Insert with the label facing up.

Gently push the disc to insert it.

Maintenance Of Discs

- When fingerprints or dirt adhere to a disc, wipe it clean with a soft, dry cloth, from the inside toward the edge. If it is difficult to clean, wipe the disc with a cloth moistened with water.
- Do NOT use record cleaners, benzine, alcohol or anti-static agents.



Notes On Handling Magazines

1. Do NOT expose magazines to high temperatures or direct sunlight.
2. Do NOT disassemble the magazines.
3. Take care NOT to drop or hit the magazines. Do NOT apply excessive pressure to the magazines.
4. NEVER apply solvents such as benzine, thinner and insecticide to the magazines. These solvents may erode their surfaces.

- One CD magazine is provided with this unit. Extra XC-M30s are available as options.

- 8-cm (3-3/16") compact discs (CD singles) CANNOT be used with this unit (NOR when the exclusive adapter is used).

Loading Discs

When loading CDs, insert the discs with the label facing up.

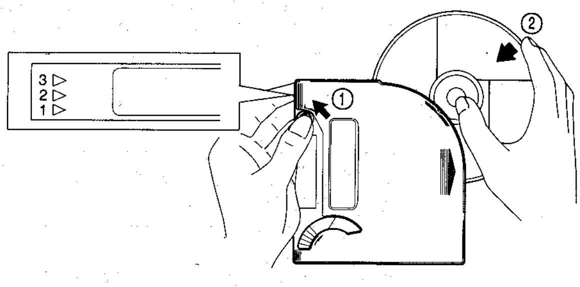
- Disc numbering is as follows: the lowest disc is 1, the middle disc 2, and the top disc 3. Load the discs as required.
- Be aware that if discs are loaded upside down, they CANNOT be played.

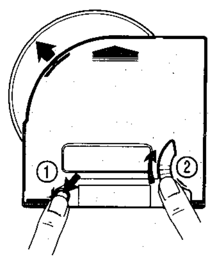
① While pushing the Disc Release knob of the magazine in the direction of the arrow...
② Insert the discs.

Unloading Discs

① While pushing the Disc Release knob of the magazine in the direction of the arrow...

② Slide the Disc Eject knob in the direction shown, slightly protruding the discs for easy removal.





Notes:

1. Fully insert the CDs when loading them into the magazine.
2. NEVER load more than one CD into each magazine slot.
3. It is recommended to load 3 CDs into the magazine when using it.
4. If there are any rough edges on the CD, be sure to remove them before use.

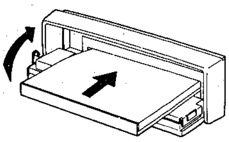
Note:

When inserting/removing discs, always keep the insertion opening facing upward, to stop the CDs from accidently falling out.

Loading Magazines

① Press the Eject button (▲) to open the Control Panel.

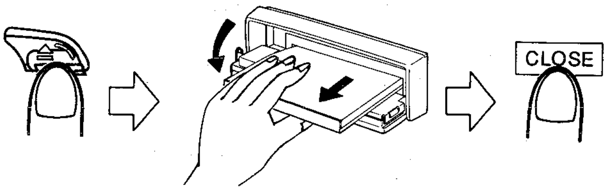
② Insert the magazine in the loading slot in the direction shown by mark " ▲ ". (After being pushed in part-way, it is automatically pulled in. The Control Panel then closes and CD play starts.)



Unloading Magazines

Press the Eject (▲) button to eject the magazine. The Control Panel opens and the magazine comes out part-way for unloading.

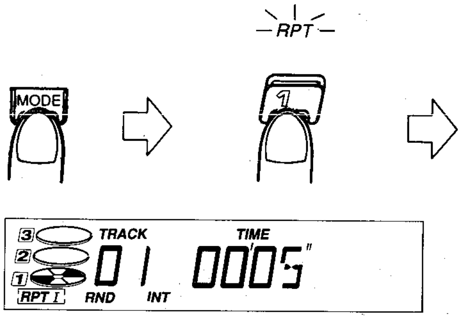
Press the CLOSE button to close the Control Panel after ejection.



Notes:

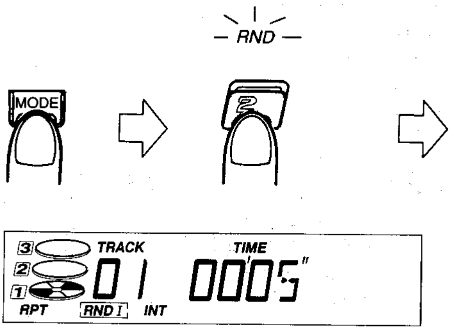
1. After pressing the Eject (▲) button, do NOT press the CLOSE button when the magazine is still in the loading slot.
2. Magazine loading/unloading is possible even after the vehicle's ignition is turned OFF.

RPT I : Single track repeat
The current or specified track will be played back repeatedly.
RPT II : All-tracks repeat of one disc
All tracks on the current or specified CD will be played back repeatedly.



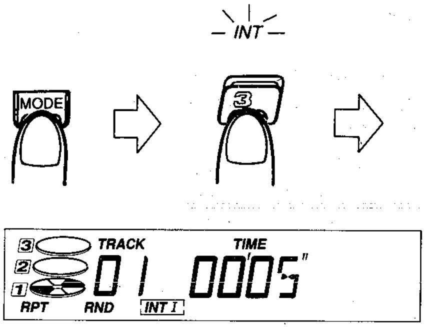
Random Playback

Each time the RND button is pressed, after the MODE button has been pressed and the CD Changer Mode indicators are blinking, the mode changes from RND I (the RANDOM 1 indicator lights) to RND II (the RANDOM 2 indicator lights) to Clear mode, in this order.
RND I :
Randomly plays all tracks on the current disc once, then on each of the following discs in order.
RND II :
Randomly selects and plays tracks from all of the CDs in the loaded magazine.



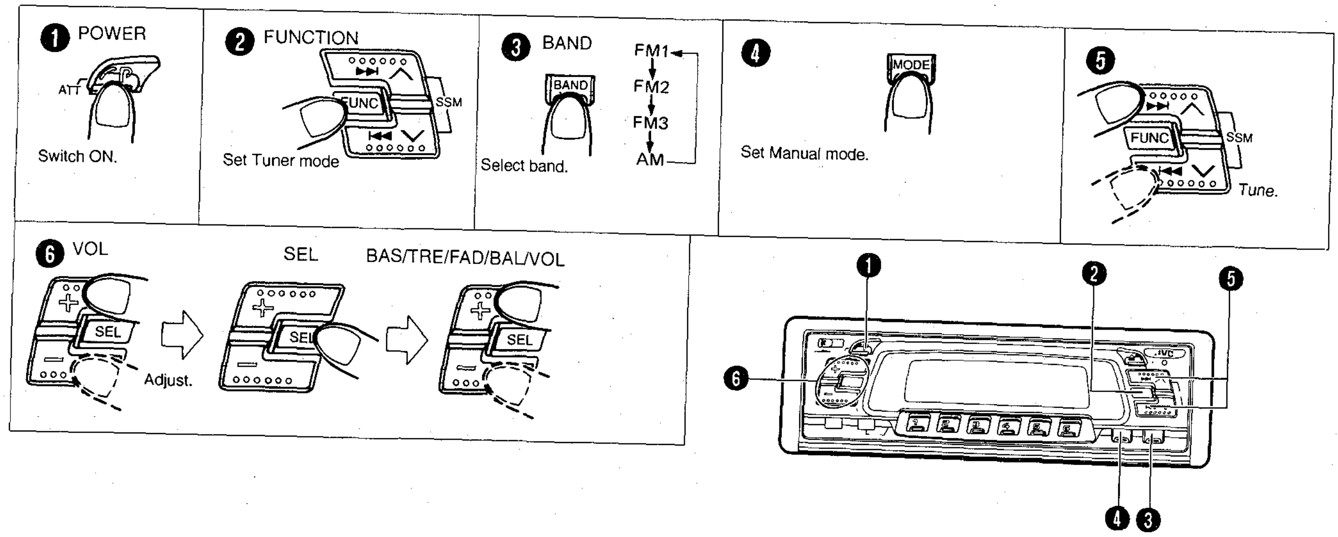
Intro Scan

Use to play the first 10 seconds of tracks. With Intro Scan, either the first 10 seconds of all tracks on all discs in the magazine can be intro scanned, or just the first track of every disc in the magazine. Each time the INT button is pressed after the MODE button has been pressed and CD Changer Mode indicators are blinking, the mode changes from Track scan (for all tracks) to Disc scan (for the first track of every disc), to Clear mode.
INT I (INTRO 1): Track scan
All tracks on all discs in the magazine are intro scanned. When the required track is located, press the INT button two times to enter Normal Play mode.
INT II (INTRO 2) : Disc scan
Only the first track on all discs in the magazine is intro scanned. When the required disc is located, press the INT button once to enter Normal Play mode.



RADIO OPERATION

Operate in the order shown.


❶ POWER
ATT
Switch ON.
❷ FUNCTION
FUNC
SSM
Set Tuner mode
❸ BAND
BAND
FM1
FM2
FM3
AM
Select band.
❹
MODE
Set Manual mode.
❺
FUNC
SSM
Tune.
❻ VOL
SEL
BAS/TRE/FAD/BAL/VOL
SEL
Adjust.
❶
❷
❺
❻
❹ ❸

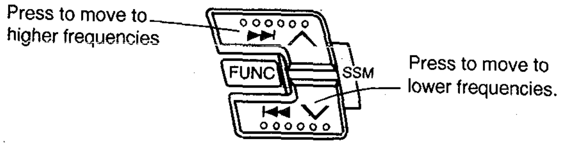
Manual Tuning

Set Manual mode using the MODE button. When the Radio Mode indicators blink, the unit is in Manual mode. Then, by pressing the Tuning button, you can move up/down the frequency band. The band is scanned as long as either side of the button is pressed.

Frequency scan steps are as follows:
FM — in 50 kHz units
MW/LW — in 9 kHz units.

In AM operation, the frequency continuously moves from the MW (522 to 1,620 kHz) to LW (144 to 279 kHz) band and vice versa.

- When approx. 5 seconds have elapsed after completing manual tuning, the unit switches back to Seek mode and the Radio Mode indicators light.

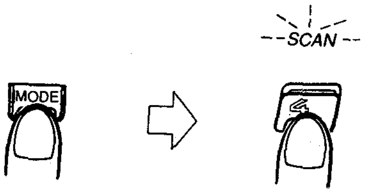

Press to move to higher frequencies
FUNC
SSM
Press to move to lower frequencies.

Seek Tuning

The unit is in Seek mode when the Radio Mode indicators light. Then, by pressing the ⩓ or ⩔ button, the unit tunes to the adjacent station with a higher or lower frequency. In AM operation, the frequency continuously moves from the MW to LW band and vice versa.

Scan Button Tuning

Use the SCAN button for automatic scanning of the FM and AM (MW/LW) frequency bands. Press this button after the MODE button has been pressed and the Radio Mode indicators are blinking, each station is monitored for approx. 5 seconds (the frequency blinks during this time). After 5 seconds have elapsed, the frequency advances to the next station which in turn is monitored for 5 seconds. To stop scanning, press the SCAN button again.

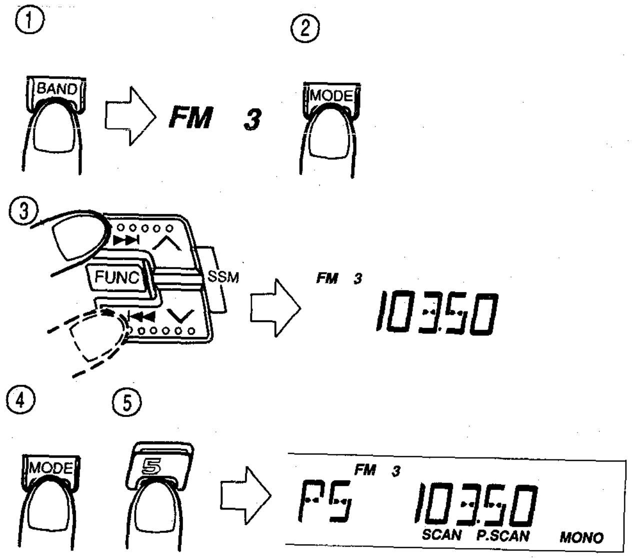


Preset Button Tuning

How to Preset Stations

6 stations in each band (FM1, FM2, FM3 and AM [MW/LW]) can be preset as follows:

- Example (when presetting Preset Station button "5" of the FM3 band to an FM station at 103.5 MHz)


①
②
BAND
FM 3
MODE
③
FUNC
SSM
FM 3
103.50
④
⑤
MODE
5
P5
FM 3
103.50
SCAN
P.SCAN
MONO

① Select the FM3 band using the BAND button.
② Set Manual mode.
③ Tune to the desired station.
④ Press the MODE button to release Manual mode.
⑤ Press Preset Station button "5" for more than 2 seconds. (When "MEMO" is displayed and "P5" blinks in the Preset Station display, the station is preset.)

- Repeat the above procedure for the other 5 Preset Station buttons and other bands (FM1 , FM2 and AM [MW/LW]).

Notes:

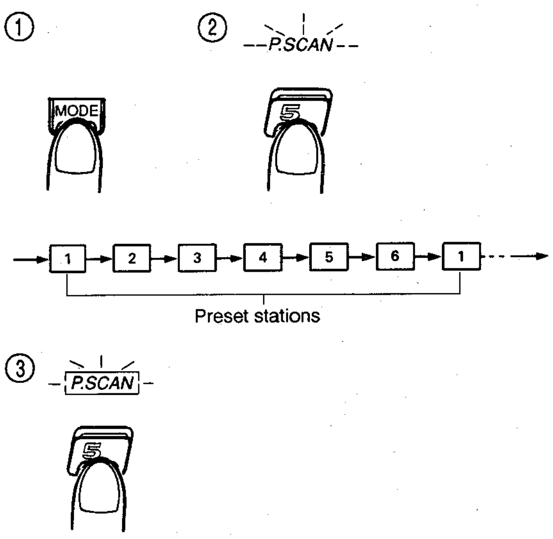
- A previously preset station is erased when a new station is stored in memory.
- The preset stations are erased when the power supply to the memory circuit is interrupted during battery replacement, etc. When this occurs, preset the stations again.

Preset Tuning

① Select the band.
② Press the required Preset Station buttons (No.1 to No.6).

Preset Scan Button Tuning

This function makes it possible to automatically scan preset FM and AM (MW/LW) stations.



① Press the MODE button (Radio Mode indicators blink).
② Press the P.SCAN button.
  - Scanning is performed in the order of the preset stations in each frequency band (FM1, FM2, FM3 and AM [MW/LW]). Each preset station is heard for approx. 5 seconds.

③ When the required station is heard, press the P.SCAN button again.

Strong-Station Sequential Memory (SSM)

This function searches for FM and AM (MW/LW) stations broadcasting strong signals. The 6 strongest stations are held in memory in the order of increasing frequency, and can be recalled with the Preset Station buttons (No.1 to No.6).

(Procedure)
① Press the SSM buttons (∧,∨) for more than 3 seconds.
② The strongest signals in the band you are listening to (FM1, FM2 , FM3 or AM [MW/LW]) will be searched and selected automatically. Six stations are preset in the Preset Station buttons (No.1 to No.6), in the order of increasing frequency. (During this operation, "SSM" lights in the display.) The unit then automatically tunes to the broadcast stored in Preset Station button "1".

Note:

Previously preset stations are canceled automatically when SSM is used.

Mono Button

When listening to FM, set the MONO button to stereo or mono after the MODE button has been pressed and the Radio Mode indicators are blinking.

Note:

Set to mono when a stereo FM broadcast is too noisy and cannot be heard satisfactorily.

Receiving Traffic Information Broadcasts (G/GE version only)

1. Select the FM1, FM2 or FM3 band using the BAND button.
2. Press the SK/DK button before operation. The SK/DK indicator lights.
3. Perform Seek Tuning to search for a station broadcasting traffic information. When such a station is received, the SK/DK indicator will light and the broadcast can be heard.
4. As long as the tuner is set to receive traffic information stations, even if you are listening to a CD, when traffic information is broadcast, it is automatically heard. When the broadcast is over, CD playback restarts. While listening to traffic information broadcasts, if the signal becomes weak, a stronger station is searched for automatically.

Traffic Information Volume Control

This function adjusts the volume of traffic information broadcasts.

1. Press the SK/DK button while pressing the SEL button; "INFO" will be displayed.
2. While "INFO" is displayed, set the required volume using the Volume Level Control buttons.

Notes:

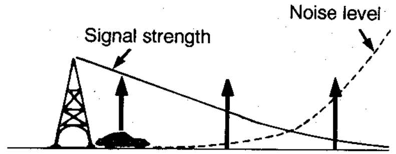
1. The SK/DK button operates when in FM mode only.
2. When listening to an FM broadcast, if the tuner is not set to a traffic information station, after approx. 3 seconds an alarm tone will be heard. If the reception is poor, after approx. 30 seconds an alarm tone will be heard. In such a case, perform Seek Tuning or press the SK/DK button.

FM Pulse Noise Suppressor

This unit has built-in circuitry to effectively eliminate engine noise picked up by the antenna, etc. in the form of FM pulses, for a more favorable FM reception.

Automatic FM Noise Suppressor (AFNS)

This unit incorporates an automatic FM noise suppression circuit to ensure satisfactory reception of FM broadcasts when a vehicle is moving and signal strengths are continuously fluctuating.

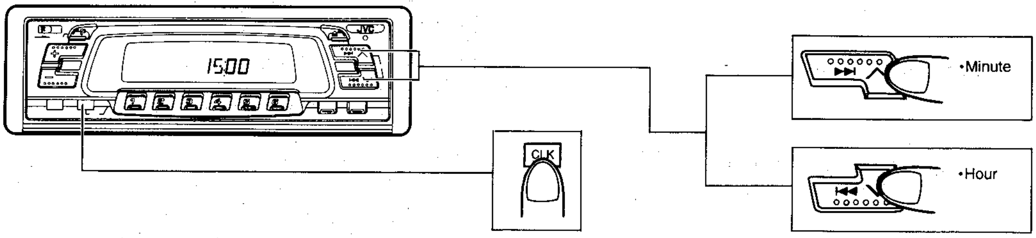


	A	B	C
Signal strength	Strong	Not so strong	Weak
Auto blend	Stereo	Blend	Mono
Auto high-cut	–	➡	(Operates)

DIGITAL CLOCK DISPLAY

To select Time mode, press the CLK button. When the radio or a CD is operated in Time mode, the displayed time switches to the frequency or elapsed playback time, and returns to Time mode after a few seconds. Press the CLK button again to cancel Time mode.

How To Adjust The Time
Make sure the display is in Time mode, then, while pressing the CLK button, press the Hour Adjustment button (∨) to adjust the "hours", and press the Minute Adjustment button (∧) to adjust the "minutes".

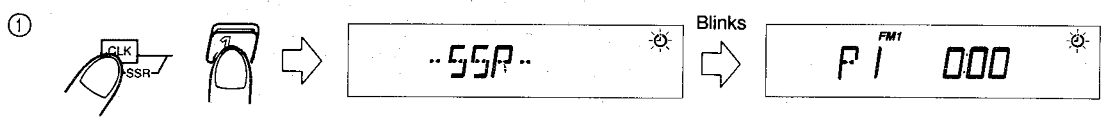


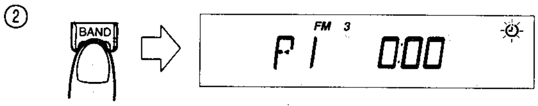
SSR (Special-preset Station Reserve)

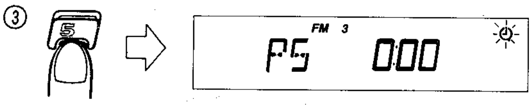
The SSR (Special-preset Station Reserve) automatically tunes to any FM or AM preset program once a day, at a programmed time from any of the operating modes; tuner or CD. This function guarantees that you will not miss important information such as weather reports or traffic information, etc.

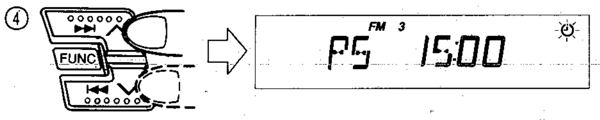
- Set the current time before using SSR. (See page 42.)
- The station must be preset before using SSR. (See page 36.)

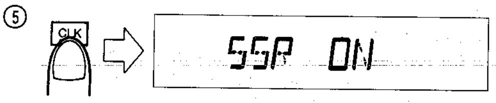
Example: When setting the FM station which has been preset to Preset Station button (5) of the FM3 band to 15:00.

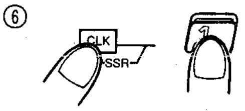












(Procedure)

① While pressing the CLK button, press the Preset Station button (1) for more than 2 seconds to preset the program. ("◷" indicator blinks.)
  - Perform the next operation while the "◷" indicator blinks.

② Select the required band (i.e. FM3 in the example) using the BAND button.

③ Select the required station (i.e. 5) which has been preset using the Preset Station buton.

④ Set the required time (i.e. 15:00) using the Time Adjustment buttons.

⑤ Set SSR to ON using the CLK button.

⑥ Press the Preset Station button (1) for more than 2 seconds while pressing the CLK button, to preset SSR. (Presetting is completed when the SSR ON indicator blinks and the "◷" indicator lights.)

- If the "◷" indicator stops blinking during presetting, perform the operation again from procedure ①.

- While the CLK button is pressed, press the Preset Station button (1) once to check the preset program.
- In order to switch SSR mode OFF after SSR presetting, operate procedures ①, ⑤ and ⑥, however set SSR to OFF in step ⑤. (When the "◷" indicator has gone out, SSR mode is canceled.)

Notes:

- Once SSR has been set, the start time and broadcast station are stored in the microprocessor. When changing the start time and/or broadcast station, perform procedures ① to ⑥ again.
- After setting SSR, if the preset station is changed, the renewed station data is stored as the program station of SSR.

MAINTENANCE

- **Cleaning The Connector**

If the control panel is frequently detached, a poor connection may occur with the control panel holder. To minimize this possibility, periodically wipe the connector with a cotton swab or cloth moistened with alcohol, being careful not to damage the connector terminals.

1 Location of main parts

■ KD – GT7 Top side view

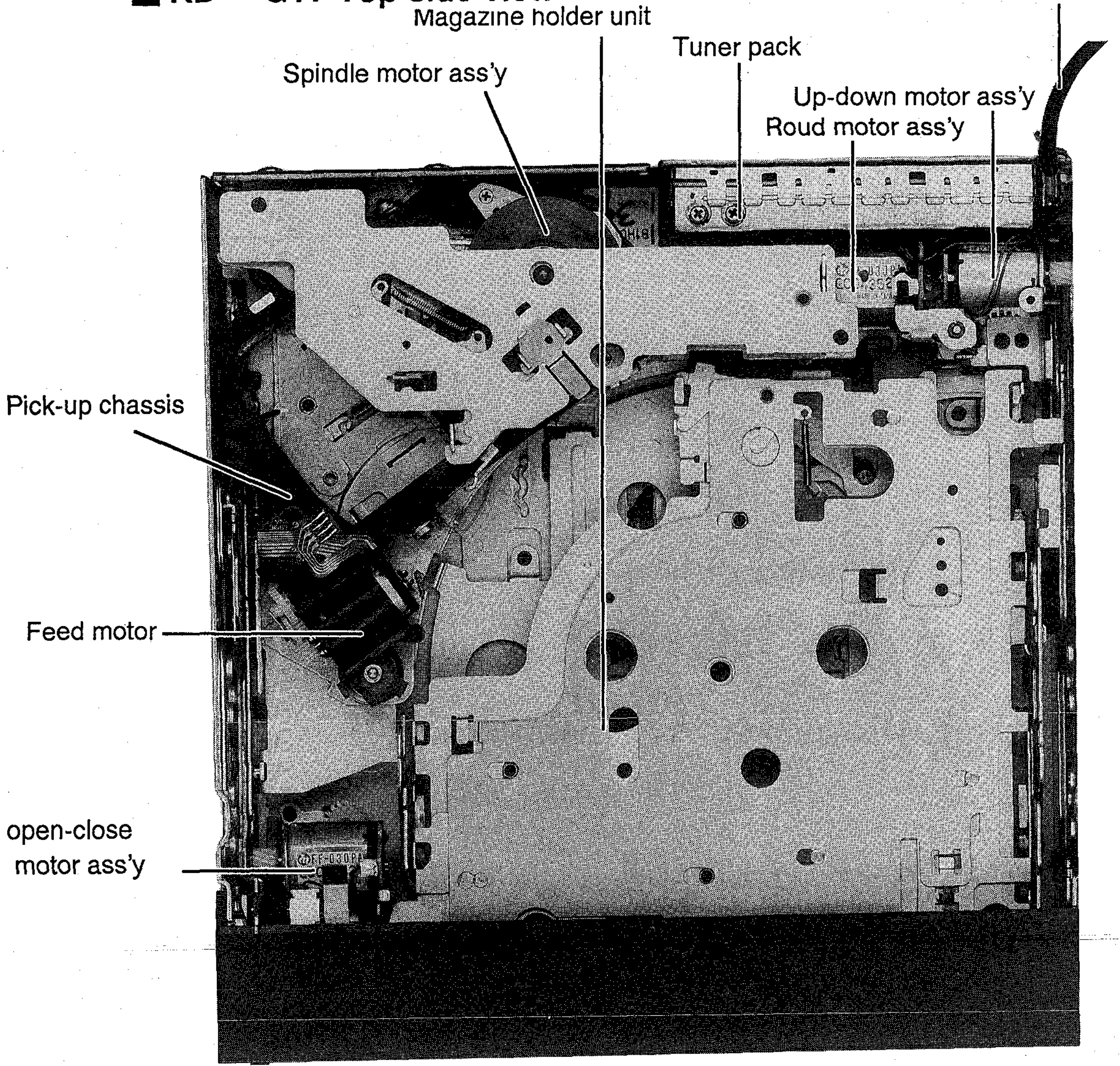

Antenna cord
Magazine holder unit
Tuner pack
Spindle motor ass'y
Up-down motor ass'y
Roud motor ass'y
Pick-up chassis
Feed motor
open-close motor ass'y

Fig. 1 – 1

■ Control panel ass'y

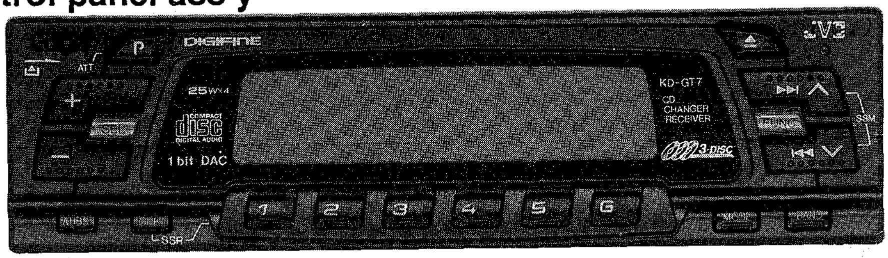

DIGIFINE
JVC
ATT
SEL
25W×4
COMPACT disc DIGITAL AUDIO
1 bit DAC
KD-GT7
CD CHANGER RECEIVER
3-DISC
SSM
SSR
1
2
3
4
5
6

Fig. 1 – 2

■ Mechanism assembly (Bottom side view)

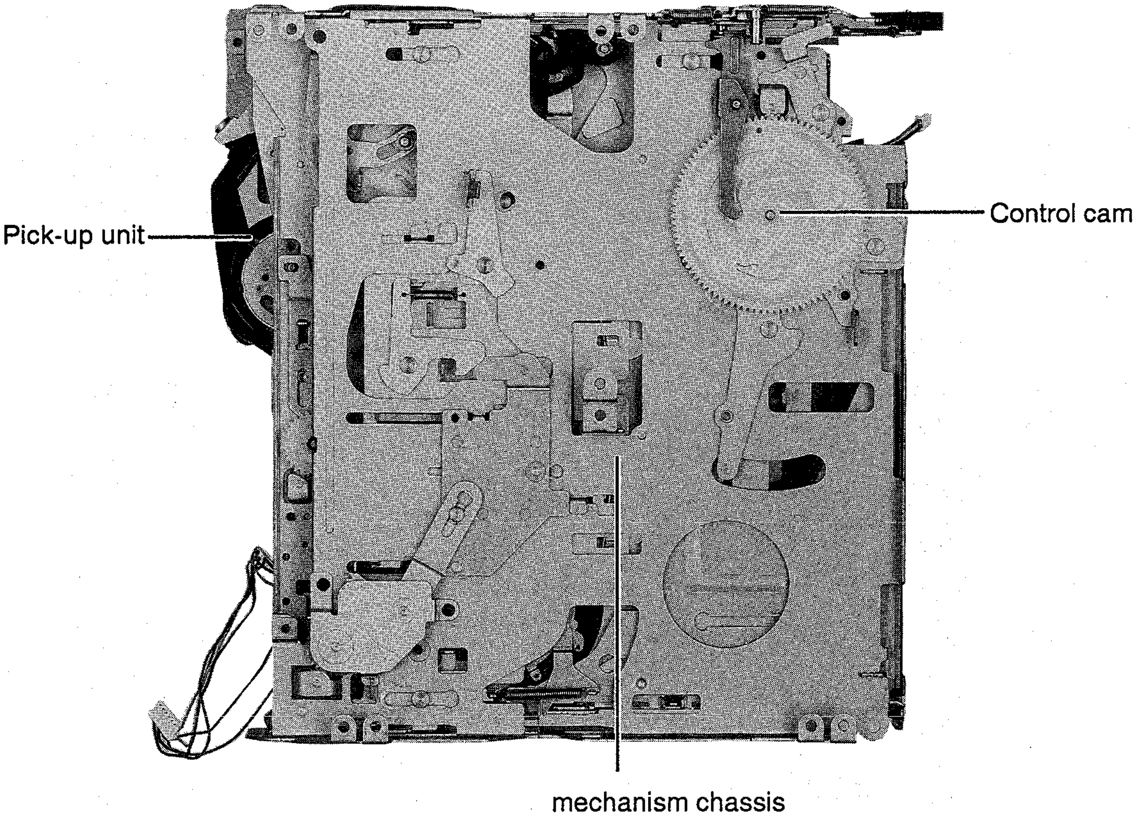

Pick-up unit
Control cam
mechanism chassis

Fig. 1 – 3

■ Pick-up assembly

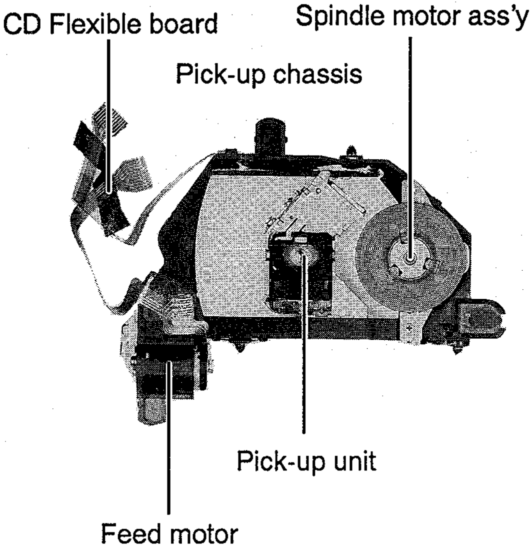

CD Flexible board
Spindle motor ass'y
Pick-up chassis
Pick-up unit
Feed motor

Fig. 1 – 4

■ Magazine holder unit (Top side view)

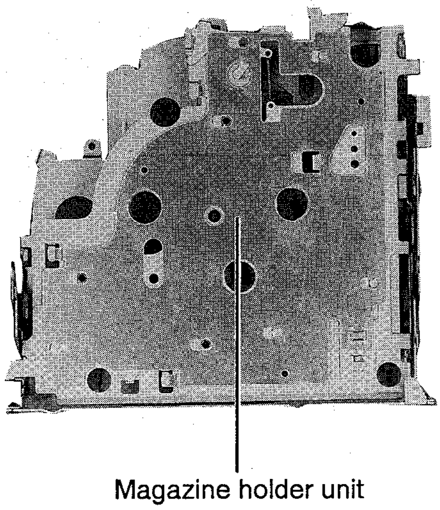

Magazine holder unit

Fig. 1 – 5

2 Removal of main Parts

■ Enclosure section

● Set maintenance mode before disassembling the unit.

◆ Setting maintenance mode

Switch ON the power and press the SEL button while the reset button is pressed. Release the reset button first, then release the SEL button after a few seconds. The door opens and the mechanism operation stops to engage maintenance mode.

(When the P.C.B.s are installed and mechanical operations are performed, install them so that the switches and levers do NOT hit each other.)

◆ Top cover(See Fig. 2-1)

Remove the five screws ① retaining the top cover.

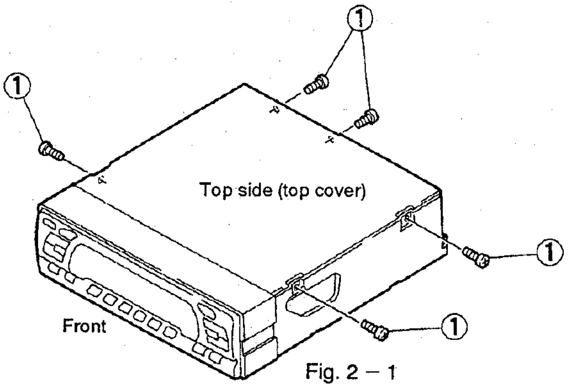

①
①
Top side (top cover)
①
①
Front

Fig. 2 – 1

◆ Front panel ass'y (including control unit)(See Fig. 2-2 and Fig. 2-3)

1. Turn the KD-GT7 upside down and remove the three screws ② retaining the right chassis.
2. Remove the five screws ③ retaining the front panel ass'y.

(Open the door or remove the control panel and remove the combination of the door bracket near the left side and door open/close gear near the chassis.)

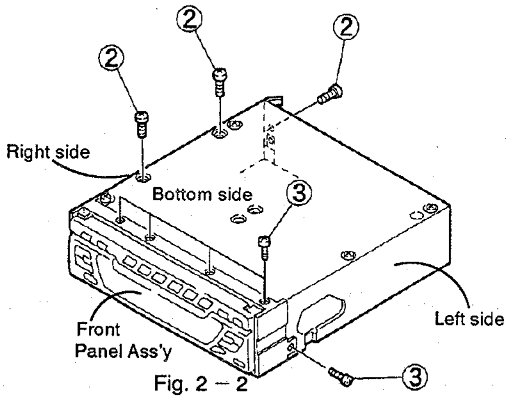
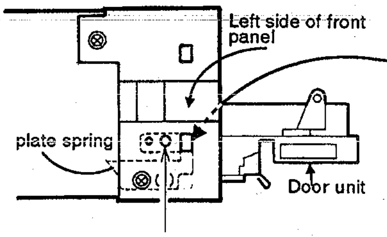

②
②
②
Right side
Bottom side
③
Front
Panel Ass'y
Left side
③

Fig. 2 – 2


Left side of front panel
plate spring
Door unit

Remove the plate spring and center shaft (GEAR SHAFT) see through this hole.

Fig. 2 – 3 – A

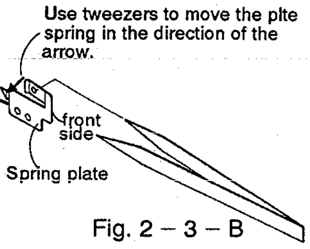

Use tweezers to move the plte spring in the direction of the arrow.
front side
Spring plate

Fig. 2 – 3 – B

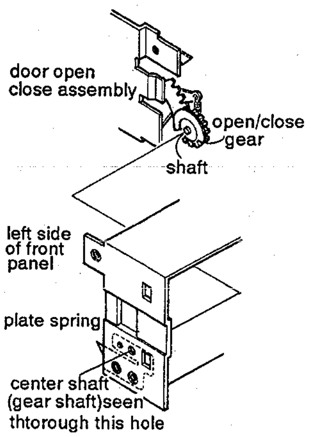

door open close assembly
open/close gear
shaft
left side of front panel
plate spring
center shaft (gear shaft)seen thtorough this hole

Fig. 2 – 3 – C

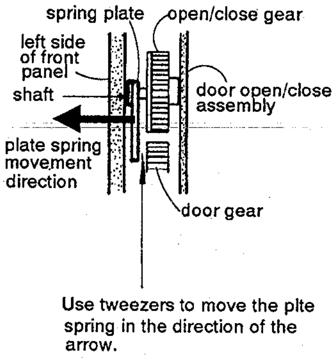

spring plate
open/close gear
left side of front panel
shaft
door open/close assembly
plate spring movement direction
door gear
Use tweezers to move the plte spring in the direction of the arrow.

Fig. 2 – 3 – D

3. Turn the unit top side upward and disconnect the two connectors; one on the left side of the front panel and the other on the right side of the unit.

   The connector on the right side of the unit is forthe door-open detection switch.

   The connector on the left side of the front panel is for the door-close detection switch.
4. Remove the front panel ass'y from the chassis and remove the flexible PCB connector from the main PCB.

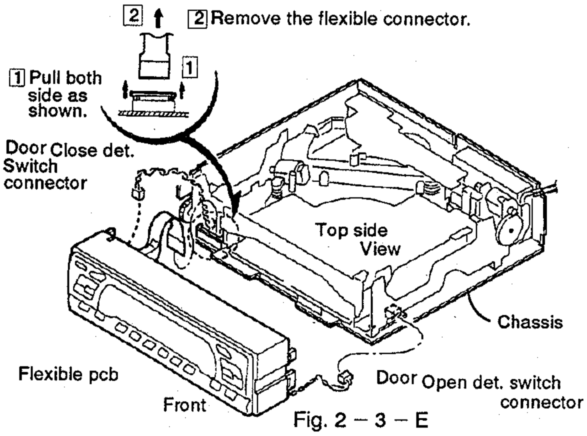

2
2 Remove the flexible connector.
1
1 Pull both side as shown.
Door Close det. Switch connector
Top side View
Chassis
Flexible pcb
Front
Door Open det. switch connector

Fig. 2 – 3 – E

◆Chassis(See Fig. 2-4)

1. Remove the seven screws ④ and ⑤ retaining the chassis.
2. Remove the screw ⑥ retaining the antenna cord.
3. Remove the chassis. (Be careful NOT to lose the IC plate during removal.)

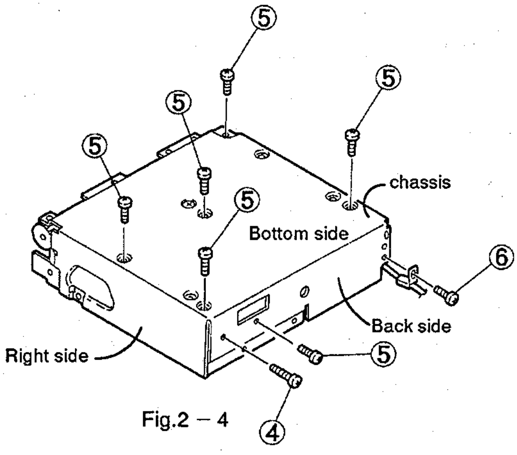

⑤
⑤
⑤
⑤
⑤
chassis
Bottom side
⑥
Back side
Right side
⑤
④

Fig.2 – 4

◆Main PCB Ass'y(See Fig. 2-5 and Fig. 2-6)

1. Disconnect the four connectors from the main PCB.
   Remove the flexible pickup connector from the left side of the unit.
   Remove the round/up-down motor connector from the right side of the unit.
   Remove the door motor connector from the front side of the unit.
2. Remove the five screws ⑦ retaining the main PCB ass'y, then remove the main PCB ass'y.

Note when assembling

Before installing the main PCB ass'y, check through the 6 holes of the main PCB that the switch lever is NOT overlapped by the push switch.

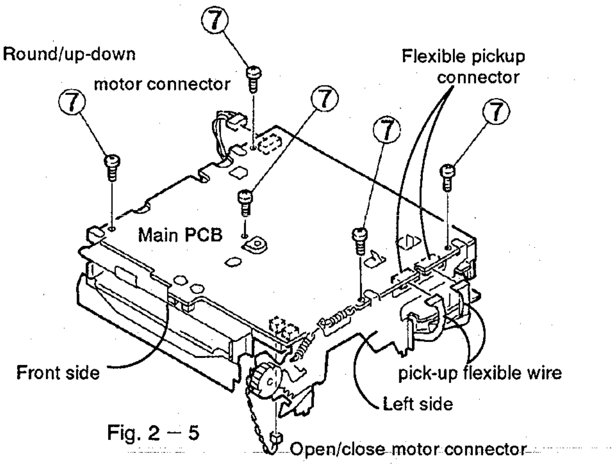

⑦
Round/up-down
motor connector
Flexible pickup
connector
⑦
⑦
⑦
⑦
Main PCB
Front side
pick-up flexible wire
Left side
Open/close motor connector

Fig. 2 – 5

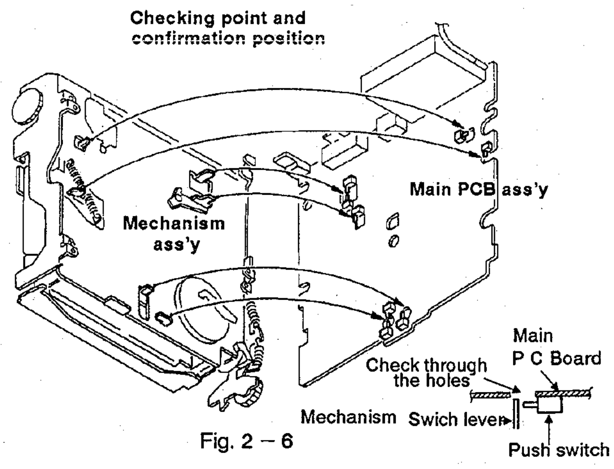

Checking point and
confirmation position
Main PCB ass'y
Mechanism
ass'y
Main
P C Board
Check through
the holes
Mechanism
Swich lever
Push switch

Fig. 2 – 6

■ Disassembling the mechanism

Notes:

a. When the mechanism parts are disassembled and reassembled, it is easy to damage the switches on the PCB. Therefore, disassemble the main PCB ass'y before removing the mechanism parts.

b. Set the unit to Maintenance mode before disassembly. (If it is NOT possible, perform trouble section section.)

c. Check that the magazine rack faces downward. (If it is NOT possible, perform trouble shoot section)

Disassembly of the unit can be performed after checking the above.

◆ Magazine holder unit(See Fig. 2-7~ig. 2-9)

1. Remove the two screws ⓐ retaining the magazine holder unit.
2. Release the engagement lever with the rear of the unit slightly elevated, then slide the magazine holder unit toward you to remove it.

Checking points when assembling(See Fig.2-7 and Fig. 2-10)

Check the engagement lever through the holes in Fig. 2-7 andapply a locking component.

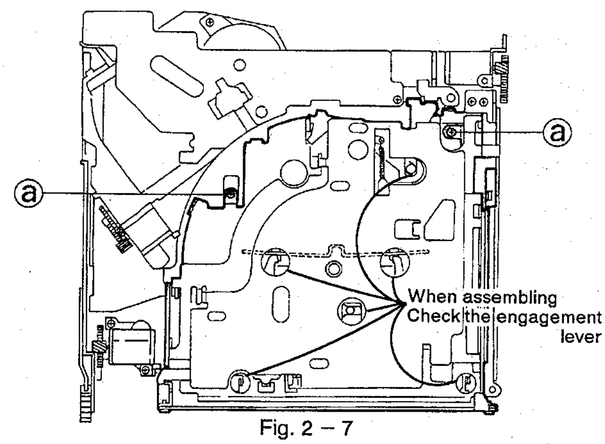
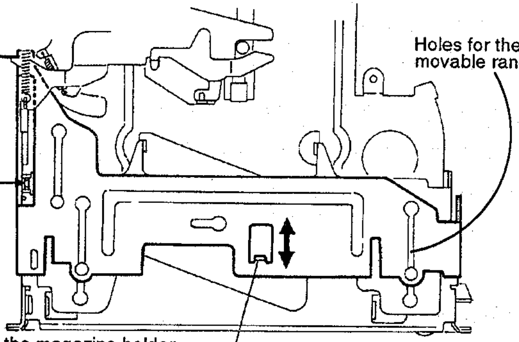

ⓐ
ⓐ
When assembling
Check the engagement lever

Fig. 2 – 7

The bottom side of the magazine holder

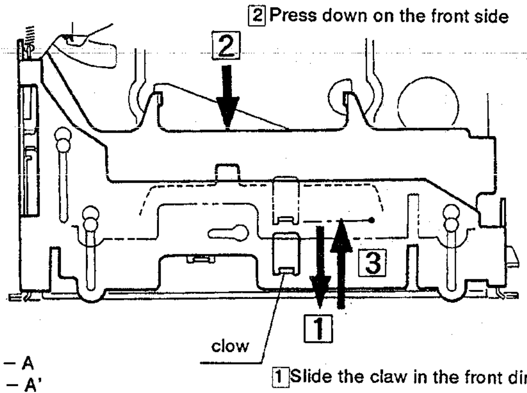

Holes for the slide's movable range
When the lifter is lowerd, check that the plate stud is inserted into the lever
Front side of the magazine holder
claw

When this claw is slide in the direction of the arrow, the magazine lifter move up and down(The liiustration shows the lifter in the lower position.)

Fig. 2 – 8

If the plate stud is NOT inserted into the lever, perform the following

[2]Press down on the front side



[1]Slide the claw in the front direction

[3]When the claw is slide in the rear direction, the correct engagement position is obtaind.

Fig. 2 – 9

Check the parts engagement through the holes shown in Fig. 2 – 7

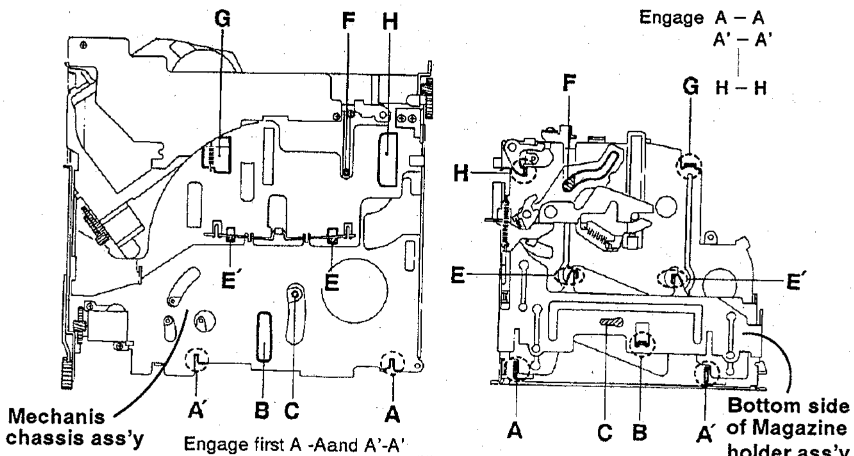

G
F
H
E′
E
A′
B
C
A
Mechanis chassis ass'y
Engage first A -Aand A'-A'
Engage A – A
A' – A'
F
G
H – H
H
E
E′
A
C
B
A′
Bottom side of Magazine holder ass'y

Fig. 2 – 10

◆ Door opener unit(See Fig. 2-11 ~Fig. 2-13)

1. Remove the two screws ⓑ retaining the door opener unit on the left side of the unit.
2. Remove from the rear of the unit and slide the unit toward you to disengage the claws of the front panel.

◆ Guide plate unit(see zfig. 2-14 and Fig. 2-15)

Remove the two screws ⓒ retaining the guide plate ass'y.

◆ Pickup unit(See Fig. 2-16)

1. Disengage the guide plate ass'y.
2. Remove the three nuts ⓔ fixing the pickup chassis.
3. Remove the damper spring from the pickup-chassis by disengaging the 3 claws ⓕ.
4. From the chassis holes on the left side, press the levers and- open the pickup chassis holder to remove the pickup unit.

◆ Spindle motor assembling(See Fig. 2-16)

1. Remove the two screws ⓖ retaining the spindle motor.
2. Remove the solder of the spindle motor wire from the back side of the pickup chassis.

◆ Pickup assembling(See Fig. 2-17)

1. Remove the two screws ⓗ fixing the pickup feed shaft.
2. When replacing the pickup, remove the leaf spring of the sliding section.
3. Perform flexibie connector processing in the same way as in the parts replacement.

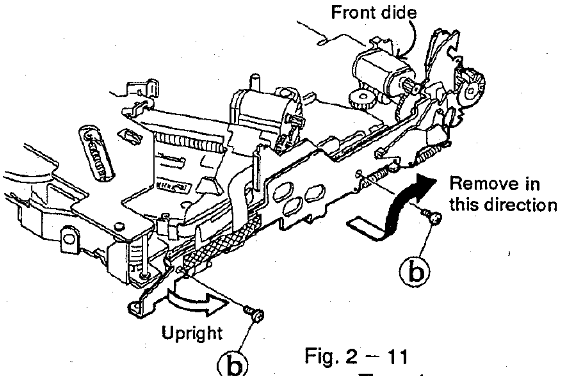

Front dide
Remove in this direction
ⓑ
Upright
ⓑ

Fig. 2 – 11
Top view

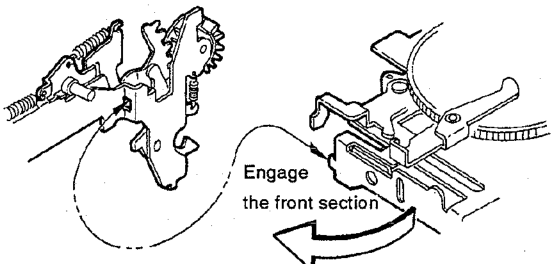

Engage the front section

Fig. 2 – 12 bottom view

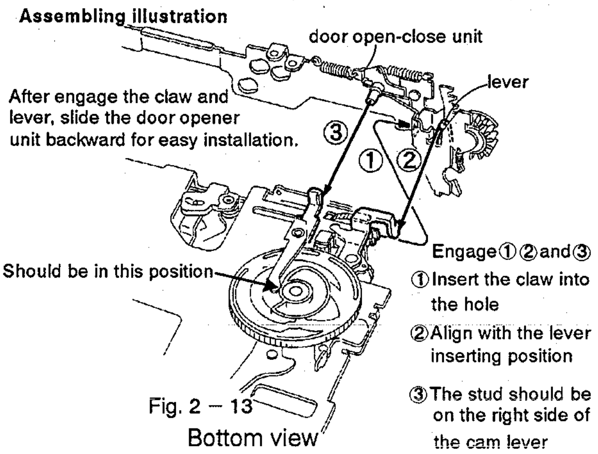

Assembling illustration
door open-close unit
lever
After engage the claw and lever, slide the door opener unit backward for easy installation.
③
①
②
Should be in this position
Engage①②and③
①Insert the claw into the hole
②Align with the lever inserting position
③The stud should be on the right side of the cam lever

Fig. 2 – 13
Bottom view

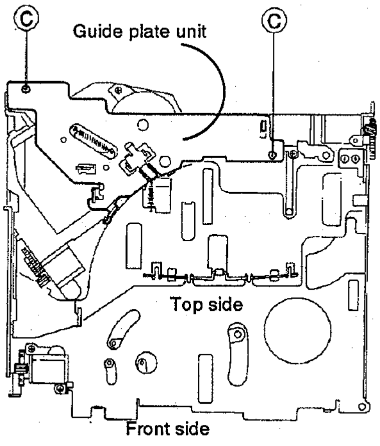

ⓒ
Guide plate unit
ⓒ
Top side
Front side

Fig. 2 – 14

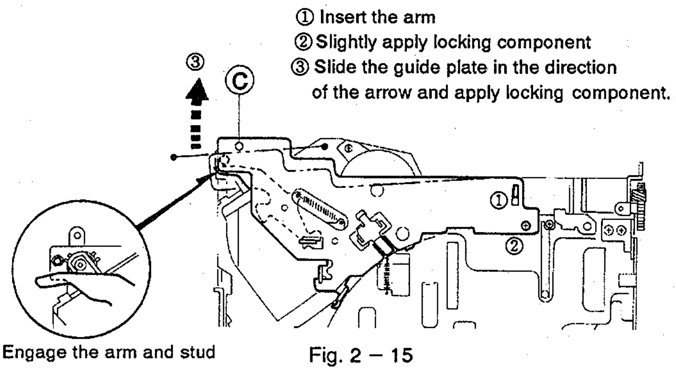

① Insert the arm
② Slightly apply locking component
③ Slide the guide plate in the direction of the arrow and apply locking component.
③
ⓒ
①
②
Engage the arm and stud

Fig. 2 – 15

◆ Motors (open-close/round/up-down motors)

● Open-close motor unit(See Fig. 2-18)

1. Remove the two screws ⓘ retaining the actuator motor unit.

(When removing the motor ass'y only, remove the two screws ⓙ.)

● Round motor unit(See Fig. 2-18)

1. Remove the two screws ⓚ retaining the round motor unit.
2. Remove the two screws ⓛ retaining the motor ass'y.

● Up-down motor unit(See Fig. 2-18)

1. Remove the three screws ⓜ retaining the up-down motor ass'y.
2. Remove the two screws ⓝ retaining the motor ass'y.

◆ Sub-chassis unit(See Fig. 2-19)

1. Remove the two screws ⓞ and ⓟ retaining the sub-chassis bracket. (When the bracket is removed, the sub-chassis is removed simultaneously.)

★ Notes when assembling(See Fig. 2-20)

1. Insert the stud into the slit of the chassis on the left side.
2. Check that the movable parts are fixed and NOT floating on the main chassis.

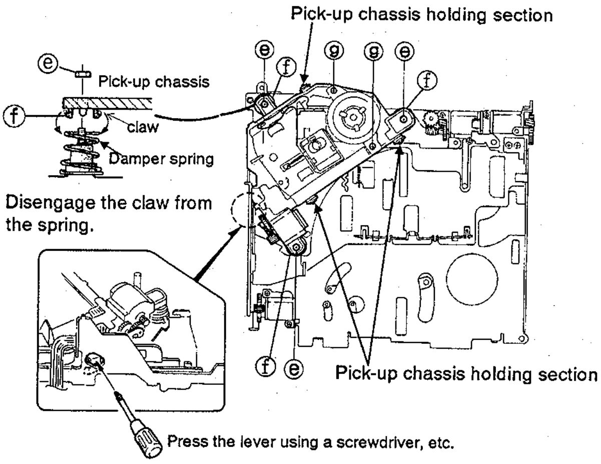

Pick-up chassis holding section
ⓔ
Pick-up chassis
ⓕ
claw
Damper spring
ⓔ ⓕ ⓖ ⓖ ⓔ
ⓕ
Disengage the claw from the spring.
ⓕ ⓔ
Pick-up chassis holding section
Press the lever using a screwdriver, etc.

Fig. 2 – 16

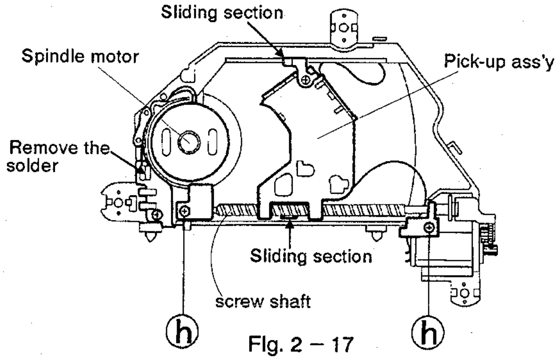

Sliding section
Spindle motor
Pick-up ass'y
Remove the solder
Sliding section
screw shaft
ⓗ
ⓗ

Fig. 2 – 17

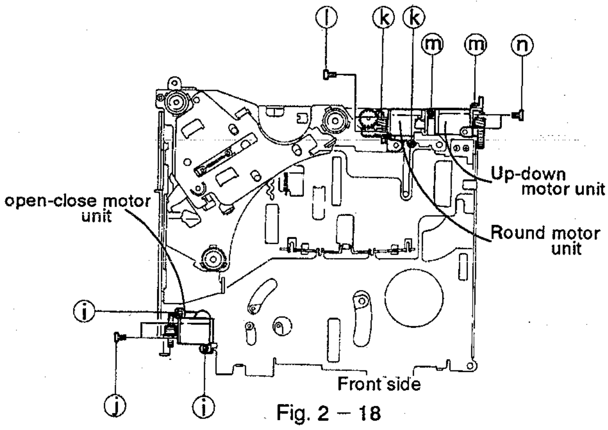

ⓛ ⓚ ⓚ
ⓜ ⓜ ⓝ
Up-down motor unit
open-close motor unit
Round motor unit
ⓘ
Front side
ⓙ ⓘ

Fig. 2 – 18

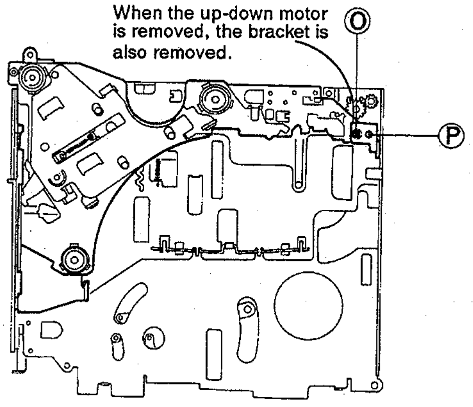
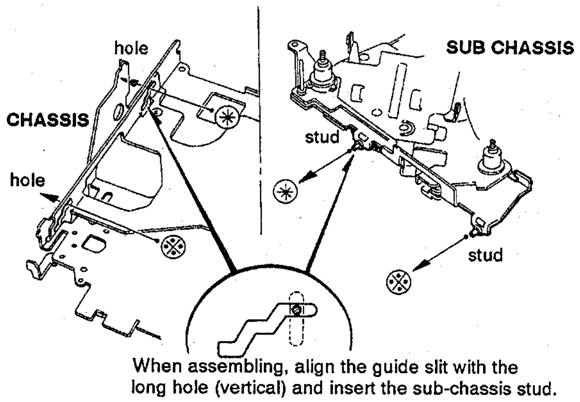

When the up-down motor is removed, the bracket is also removed.
ⓞ
ⓟ

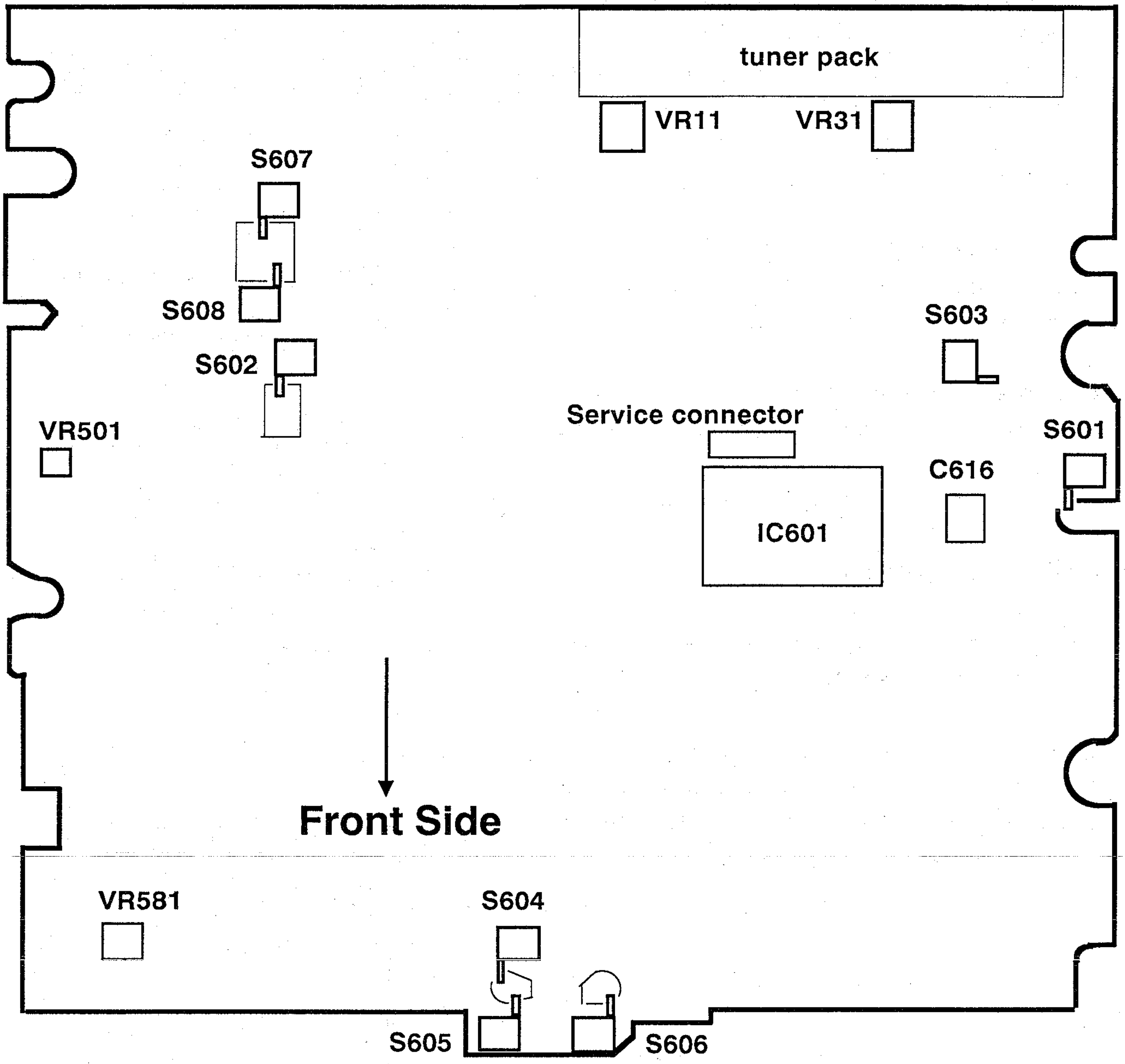
Fig. 2 – 19


hole
CHASSIS
hole
SUB CHASSIS
stud
stud

When assembling, align the guide slit with the long hole (vertical) and insert the sub-chassis stud.

Fig. 2 – 20

Switch positions of main board


tuner pack
VR11
VR31
S607
S608
S602
S603
Service connector
VR501
S601
C616
IC601
Front Side
VR581
S604
S605
S606

S601••••••	Loading start and end detect switch.	VR11••••••	Blend adjust
S602••••••	Up-down count switch.	VR31••••••	Sepalation adjust
S603••••••	Magazine input detect switch.		
S604••••••	Open/close initial switch.	VR501••••	Tracking offset adjustment
S605••••••	Open/close count switch.	VR581••••	Feed adjustment
S606••••••	Magazine open switch.		
S607••••••	Round initial switch.	C616••••••	Clock adjust ment
S608••••••	Round count switch.		

3 Main adjustment

■ Equipment required

◇AM standard signal generater

◇FM standard signal generator

◇Stereo modulator

◇Oscilloscope(Digital osciloscope(100MHz)

◇Electric volt mater

◇Digital tester

◇tracking offset mater

◇Pulse jitter mater

■ CD Section

● Measuring instruments

◇Test disc (JVC CTS – 1000)
(CRG – 1242)

■ Radio section

● Measuring instruments

◇FM : 400Hz, 22.5kHz deviation

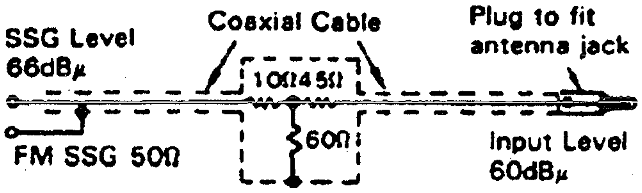
◇FM STEREO : 1kHz, 67.5kHzDEVIATION
Pilotsignal : 7.5kHz

◇AM : 400Hz, 30%, modulation

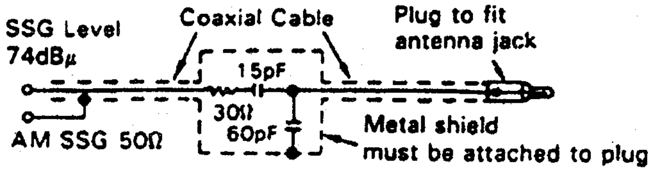
◇Output impedance : 50 Ω

● Dummy antenna

◇FM dummy antenna


SSG Level
66dBμ
Coaxial Cable
Plug to fit
antenna jack
10Ω 45Ω
60Ω
FM SSG 50Ω
Input Level
60dBμ

◇AM dummy antenna


SSG Level
74dBμ
Coaxial Cable
Plug to fit
antenna jack
15pF
30Ω
60pF
AM SSG 50Ω
Metal shield
must be attached to plug

● Preset memory initialization

Band	Preset Memory					
	M1	M2	M3	M4	M5	M6
FM (MHz)	87.5	89.9	97.9	105.9	108	87.5
MW (kHz)	144	153	522	603	1404	1620

◇Manual Tuninng (UP-DOWN) frequency
FM : 50kHz step
AM : 9kHz step

● Input level

◇FM : 66dB μ V(SSG OUT LEEVEL)

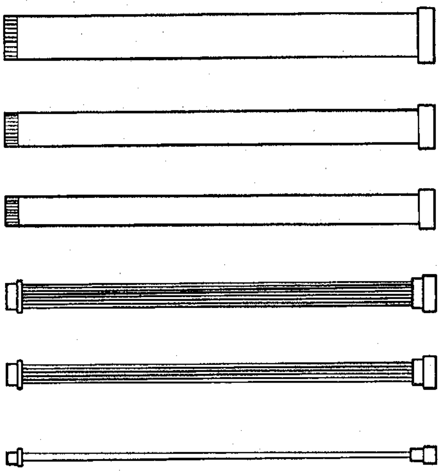
◇AM : 74dB μ V(SSG OUT LEVEL)

■ Adjusting jig list

◆ Test disc

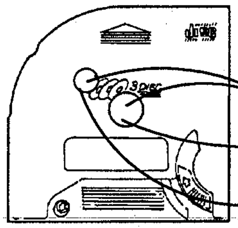
Test disc •••• JVC CTS – 1000
CRG – 1242

◆ Jig wire



VWH216 – 16FPZ – JIG	16Pin connector(CN601)card wire Main board to control panel
VWH211 – 11FPZ – JIG	16Pin connector(CN501)card wire Main board to CD mechanism
VWH210 – 10FPZ – JIG	16Pin connector(CN502)card wire Main board to CD mechanism
VDM3450 – 008CA	8Pin connector(for chackerjig board)
VDM3450 – 006CB	6Pin connector(CN603) Main board to round /up-doun motor
VDM3450 – 002CC	2Pin connector(CN602) Main board to open-close motor

◆ Jig magazine



Empty magazine for checking the traverse mechanism's center position

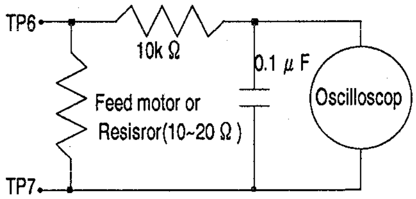
(Empty magazine with hole)

The magaine has a hoies here

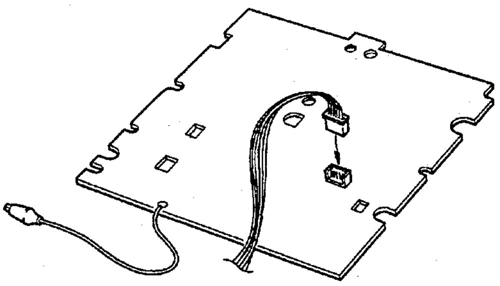
Checking the turn table center position

Checking the forcas movement of pickup

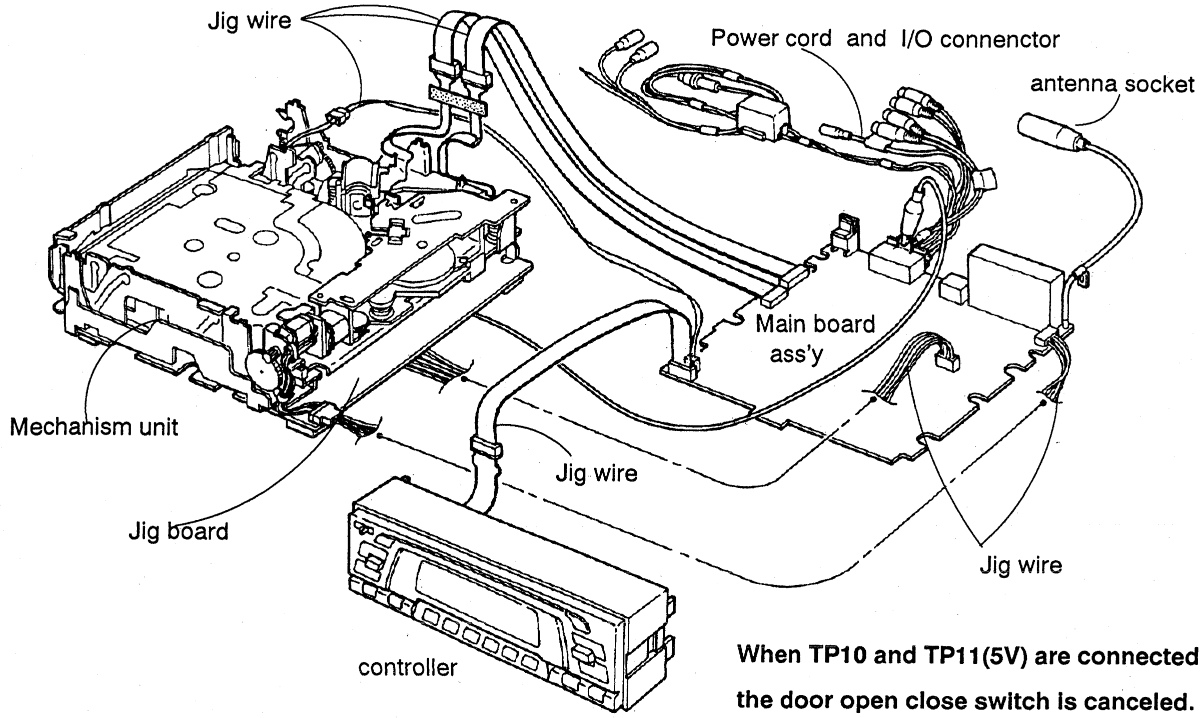
◆ Feed motor sdjusting jig



◆ Adjusting jig board



◆ Jig wire connections


Jig wire
Power cord and I/O connenctor
antenna socket
Main board ass'y
Mechanism unit
Jig wire
Jig board
Jig wire
controller

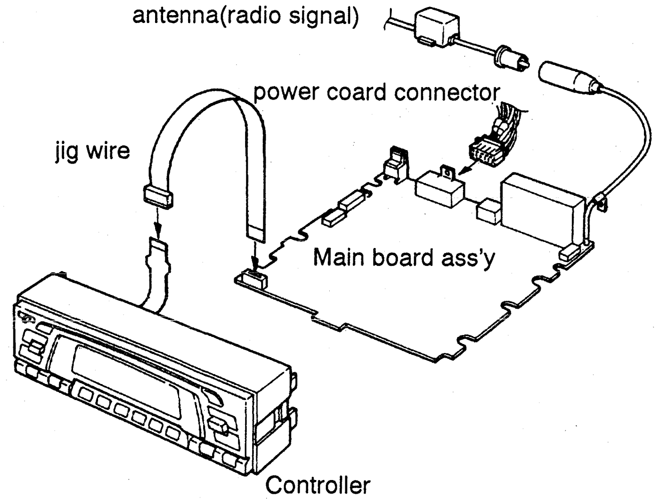
When TP10 and TP11(5V) are connected, the door open close switch is canceled.

◆ How to repair the radio

1. Follow the disassembly procedure to remove the external casing, internal mechanism and main P.C.B.
2. Short circuit CP604 on the main P.C.B. with solder. (Door open/close SW.)
3. Use the 16-pin connector wire (VWH216-16FPZ-JIG) to connect the operation panel and main P.C.B.
4. Connect the power cord and antenna to the main P.C.B.
5. Switch the unit ON and set radio mode in the following procedure:

1) Switch ON the DC power supply.
2) After PL101 on the main P.C.B. lights, it goes out 15 seconds later.
3) Five (5) seconds after PL101 goes out, switch ON the power of the GT7. After ERROR is displayed for 5 seconds the power of the GT7 is switched ON, then select radio mode.

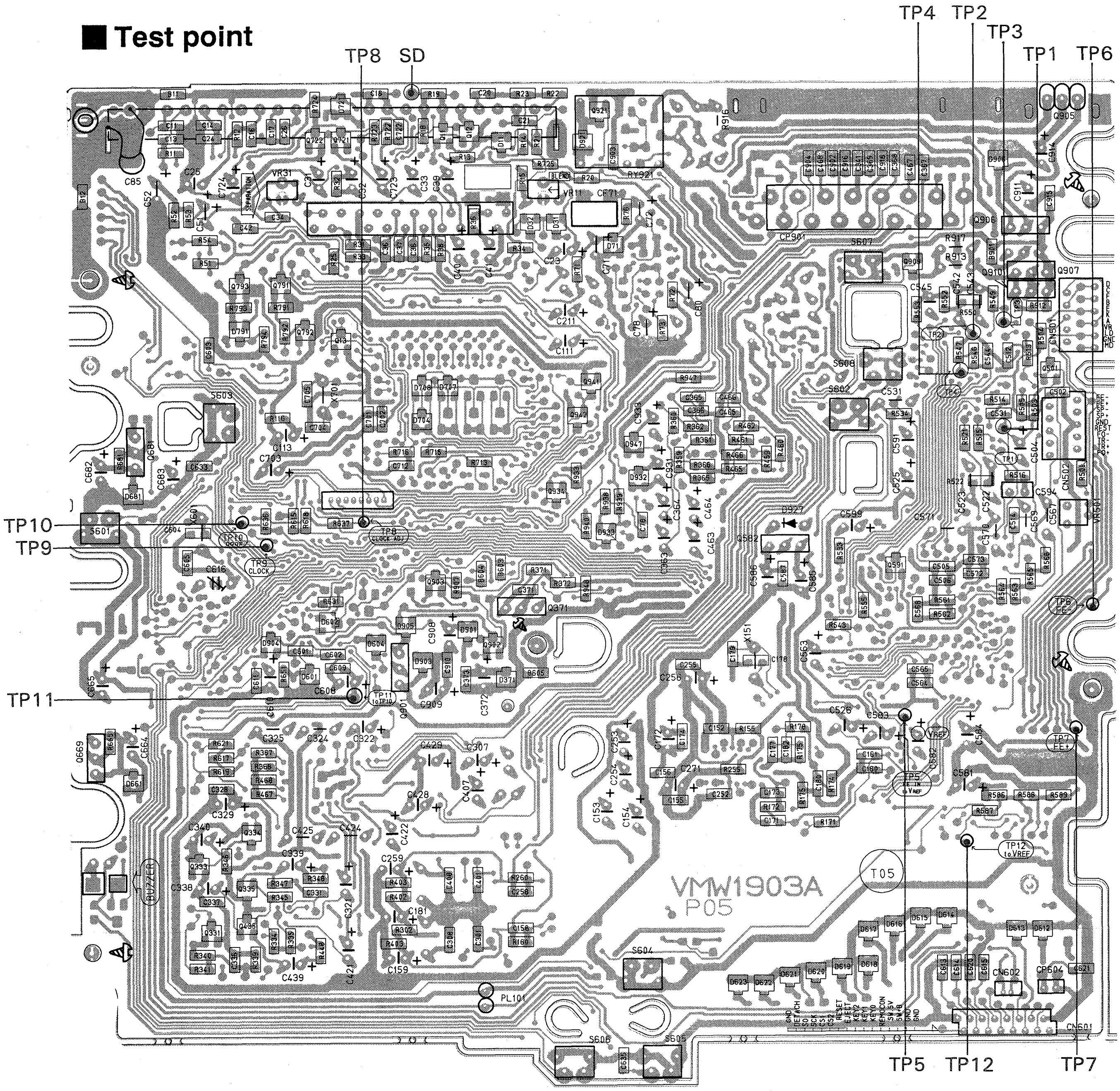
The above procedure repairs the radio.


antenna(radio signal)
power coard connector
jig wire
Main board ass'y
Controller

Note:

When the power is switched OFF during the above operation, leave the unit for 5 seconds before switching ON again.

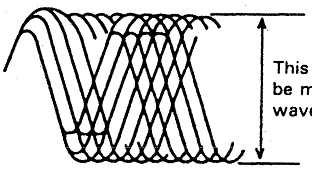
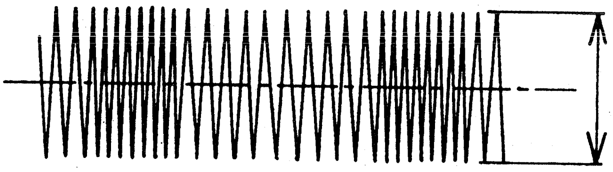
■ Test point


TP4
TP2
TP3
TP1
TP6
TP8
SD
TP10
TP9
TP11
TP5
TP12
TP7
VMW1903A
P05
T05

When TP10 and TP11 (5 V) are connected, the door open/close switch is canceled.

■ CD section

Iteme	Conditions	Adjustment and Confirmation	Standard Value	Adjusting
1.Feed motor offset adjustment	Measuring instruction Measurement jig Oscilloscope	1) Connect the measurement jig to both TP6 and TP7. 2) Connect TP5 and TP12 to Vref (TP2). 3) Adjust using VR581 so that DC power is 0 V.	0V ± 20mV	VR581

Iteme	Conditions	Adjustment and Confirmation	Standard Value	Adjusting
2. jitter check	Measuring instruction Jitter meter	1. with the jitter meter connected between TP1 and TP2, playback the test disc (TRACK 1) to confirm that the meter reads 25 n-sec or less.	25 n-sec or less	
3. RF level (eye-pattern) check	Measuring instruction Oscilloscope	1. Connect the oscilloscope between TP1 and TP2 to confirm that peak-to-peak value of eye-pattern waveform is within 1.2 ± 0.3V Eye pattern waveform  This amplitude should be maximum and the waveform clear.	1.2 ± 0.3V	
4. Tracking offset adjuastment	Measuring instruction Oscilloscope	Adjustment procedure 1. Connect the oscilloscope between TP2 and TP3 . 2. Play back the disc. 3. Shot circuit TP2 and TP4. 4. ddjust VR501 so that the DC level of the tracking error signal (oscilloscopee waveforme) becomes zero. when the tracking offset meter is used for measurement, it shorld read "0" (zero). Note : Adjust VR501 so that the waveform is vertically symmetric about the zero level. use a direct coupling oscilloscope input. Tracking offset waveform  Set the P-P center of the DC level to zero.	zero level	VR501
5.Outermost circumference		1. Directly access the outer circumference track 31, check that play is performed normally and that abnormalities including sound jumping do NOT occur.		
6. Outer to inner circumferenc		1. Skip from the outer circumference track 24 (also possible with other disc's outermost circumference) to track 1 and check the time till play starts. Normally it is less than 5 seconds.		

■ Tuner section

Iteme	Conditions	Adjustment and Confirmation	Standard Value	Adjusting
1. Clock frequency adjustment	Mesuring instructions F.counter	Ground TP8 to the microprocessor +5V (TP11) and adjust C616 so that the output frequency of TP9 is 524288 ± 4 Hz.	524288 ± 4 Hz.	C616
2. Separation adjustment	Mesuring instructions FM SSG	1. SSG: 97.9 MHz, 66 dB (Stereo reference modulation) 2. First, turn VR11 clockwise from the bottom side. 3. Next, adjust VR31 when in radio reception mode so that the L channel output becomes minimum.	clockwise position minimum level	VR11 VR31
3. Blend adjustment	Mesuring instructions FM SSG	1. SSG: 97.9 MHz, 52 dB (Stereo reference modulation) 2. In radio reception mode, adjust VR11 so that the channel separation is 20 dB.	20dB	VR11
4. Usable sensitivity	Mesuring instructions FM SSG	1. With 97.9 MHz 20 dB reception, the output difference between MOD ON/OFF should be more than 30 dB. 2. With 1000 kHz 36 dB reception, the output difference between MOD ON/OFF should be more than 20 dB.	more than 30 dB. more than 20 dB.	
5. Signal to Noise ratio/Inter-station muting	Mesuring instructions FM SSG	1. With FM reference input reception, the output difference between MOD ON/OFF should be more than 52 dB. 2. When SSG output is changed from 66 dB to -19 dB, the output difference should be more than 10 dB. 3. With AM reference input reception, the output difference between MOD ON/OFF should be more than 46 dB.	more than 52 dB.	
6. Stereo separation / blend	Mesuring instructions FM SSG STEREO modulater	1. When the reference input of stereo reference modulation is received, the separation should be more than 24 dB. 2. Separation 20 dB input should be in the range of 49 to 55 dB. 3. When the MODE and MO buttons are pressed, check that a monaural broadcast is heard. Also check that the MONO and MO indicators light in the LCD display. 4. When the MODE and MO buttons are pressed again, check that a stereo broadcast is heard. Also check that the STEREO and ST indicators light in the LCD display.	more than 24 dB.	

Iteme	Conditions	Adjustment and Confirmation	Standard Value	Adjusting
7. Seek	Mesuring instructions FM SSG AM SSG	1. AM 1000 kHz 26 to 38 dB, FM 97.9 MHz 24 to 38 dB. 2. When the UP or DOWN button is pressed, seek tuning starts in the corresponding direction and stops in the above specified range. Seek tuning should NOT stop at a signal weaker than specified above.		
8. Preset/ Preset scan		1. Select a required broadcast station and keep pressing the required preset button (1 - 6). 2. Presetting is complete when the preset number button blinks and "MEMO" is displayed. 3. When the MODE and PS buttons are pressed, scan tuning of the preset frequency should be performed.		
9. SSM (Strong Station Memory)		1. Press the UP and DOWN buttons simultaneously for more than 3 seconds to check that "-SSM-" is displayed. 2. When the frequency is displayed again, check that the strong stations are stored to the preset memory.		
10. CD/Tuner level difference	Mesuring instructions Test disc FM SSG AM SSG	1. With reference to the input of standard disc track 1, check the REF input reception level of each band. FM: -20 dB dB AM: -20 dB dB		
11. Band/ F.Step		1. Each time the BAND button is pressed, the BAND should change from FM1, FM2, FM3 to AM. 2. The frequency changes in one step increments when using the UP and DOWN buttons. FM: 0.2 MHz step AM: 10 kHz step		
12. Output level check for power amp.	Input: Line-in terminal Output: Speaker terminal	1. When 1 kHz 1.5 V is applied to the line-in terminal, the speaker output level should be 9 V (20 W) or over. Moreover, confirm that the current consumed at this time is 8 A low less.	more than 9 V (20 W)	

4 Explanation of mechanism control

■ Trouble shoot of mechanism

1.Error display

ERROR4••••••Feed motor error
ERROR11••••Up/down motor error
ERROR12••••Door open/close error
ERROR13••••Magazine close error
ERROR14••••Magazine open error and other open/close motor errors
ERROR15••••Pickup return error
ERROR16••••Pickup return error and other round motor errors

2. Function and direction operation of each motor

(1) Function

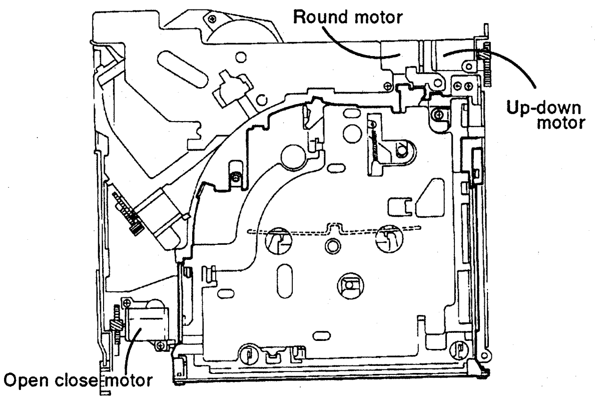
Up/down motor.
Loading/eject and subchassis up and down

Round motor Pickup movement, disc holder control and floating control.

Open/close motor
Door open/close and magazine open/close

(2) Direction of motor operation

	Clockwise opration	Counterclockwise opration
UP Down motor	Loauding	Eject
Round motor	Moving pickup	Returning pickup
Open-Close motor	Door close and magazine open	Door open and magazine close



3. Recovering and repair procedure

Switch the power OFF and ON again, then set the mechanism to Maintenance mode. When recovery is NOT completed after resetting, select the correct procedure while referring to the ERROR display:

1) ERROR4

This indicates a feed string error. It is required to check the feed motor and the actuator section.

2) ERROR11

This indicates an up/down motor string error. It is required to check the up/down drive gear section.
When the mechanical lock is performed, even when the up/down motor can be rotated back and forth, perform the following recovery operation since there is a possibility of a magazine assembly defect or a disc slipping out of the magazine:

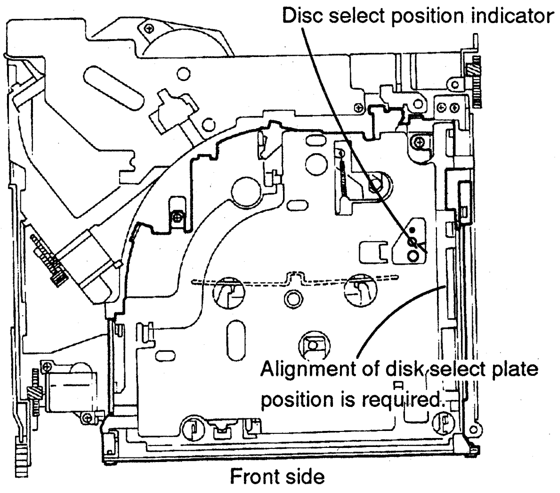
(1) Rotate the up/down motor back and forth, as long as the mechanical lock is NOT performed, and move the disk select plate to the center display position on the magazine holder.

(2) Turn the open/close motor clockwise once, to set the OPEN status, then confirm the abnormality of the disc slip-out.

When this occurs, unload the disc.

(3) With the above method, if recovery is NOT complete, remove the front plate and unload each tray one by one.

Note: When the magazine holder is closed, it is necessary to align the upper/lower disc select plates.


Disc select position indicator
Alignment of disk select plate position is required.
Front side

3) **ERROR12**

This indicates an error during door open/close. Confirm the damage of the SW attached to the front panel and the door openermechanism.

4) **ERROR13**

This indicates a disc slip - out or a pickup movement defect. (A magazine holder close defect can also considered.) When a disc slips out, confirm the cause by removing the disc in the same way as in procedure "2) ERROR11". When the pickup movement is defective, check if the pickup returns to its stopper position.

5) **ERROR14**

The cause of this error is largely because the magazine will NOT open. It is most probably generated from a wrongly - positioned disc select plate. Move the disc select plate to the center display position in the same way as in procedure "2) ERROR11", then try magazine open/close operation again. Following this, it is required to check the up/down drive gear.

6) **ERROR15 / ERROR16**

This indicates a round motor error. Check if the pickup movement, disc hold control and floating control are operating correctly.

Since ERROR15 may be generated due to an non - chucking defect, check the magazine and magazine holder unit, etc.

* Recovery and repairs have been based on typical defects.

Mechanism Control Specifications

1. Microprocessor timer setting during mode change

Set the microprocessor timer when each mode change is performed, in order to detect any abnormal operation of the mechanism.

Refer to the separate chart for each mode's actual timer setting value.

When processing has NOT finished within the timer setting, perform ERROR processing.

2. During tuner mode.

ACC - OFF (PS1 = L) or detachable panel removal, based on eject, magazine - closure and floating - lock positions in standby mode position.

During play, standby mode position should be in the floating - lockposition. When the mechanism moves up and down during a discchange, the standby position should be set to the end of theoperation, or when the mechanism is in play mode or the magazineis opening/closing, the position should be set to the magazine - close or floating - lock position.

Set to the magazine - close or eject position duringloading/ejecting.

When selecting the tuner, the PLAY key code should be transmitteto the standby position.

When Power Save 2 is switched OFF, processing should be interrupted, and when switched ON, processing should be resumed.

3. Door open/close processing (magazine loading /unloading)

When magazine loading is performed by changing the Loading Start End SW (SW1) from L to H, the specified disc (normally Disc 1) is played. However, when Standby mode is engaged, the pickup movement stops just before play starts.

When loading is performed by switching the Door Open SW from OFF to ON, the lifter base is moved to the specified disc position (normally Disc 1) and stops just before pickup movement starts.

When the magazine is NOT loaded, the lifter base moves to the Disk 3 position and stops operation without the pickup moving.

Eject operation is performed when the Eject key is pressed.

When moving from door OPEN to door CLOSE rotating the O/C motor

When the door open/close operation has finished, if the Door Close SW (or Door Open SW) is NOT switched ON, stop the motor till the SW turns ON, then proceed to the next operation.

4. Error display

The following are mechanism errors that may occur:

ERROR4•••••••Feed motor error
ERROR11•••••up/down motor error
ERROR12•••••door open/close error
ERROR13•••••magazine close error
ERROR14•••••Magazine open error and other open/close motor errors.
ERROR15.••••pickup returni error
ERROR16•••••Pickup return error and other round motor error

5. Mechanism running (operation) and moving to the maintenance position

When the ACC is ON and the Eject key is pressed during resetting,perform mechanism running (operation) after the initial setting ofthe mechanism position.

When the unit is reset as usual, the mechanism position is initially set and the running operation ends. (However, when the power is switched ON using the Power key, normal operation is performed.)

Mechanism running mode is repeated as follows; magazine loading ➡ Disc 1 play ➡ Disc 2 play ➡ Disc 3 play ➡ Disc 2 play ➡ Disc 1 play ➡ Disk 3 play ➡ magazine eject. The play time of each disc is 10 seconds and when no magazine is detected, mechanism running mode is released.

Regarding the maintenance position, with the main PWB, it is in the mechanism assembly position (the mechanism detection switch and mechanism lever are in the release position).

6. Processing during play

Refer to the CD microprocessor control specifications (Nov. 19th, 1991) for TOC reading and play processing.

However, on page 32

when an abnormality occurs up to three* times during focus search, it is regarded as an ERROR. After focusing, when a CLV servo or TOC reading error is generated, perform focus search again and if the abnormality occurs twice*, "NO DISC" is considered.

* (The number of times can vary after the trial setting.)

■ Pin function of system control IC, (IC601)UPD78044GF

PIN No.	Name of Signal	I/O of micon.	I/O of unit	Initialize after reset	Active mode	Pin function
1	O – C MOTOR 0	O		O(L)		OPEN CLOSE MOTOR control signal 0
2	R – M MOTOR 1	O		O(L)		ROUND MOTOR control signal 1
3	R – M MOTOR 0	O		O(L)		ROUND MOTOR control signal 0
4	U – D MOTOR 1	O		O(L)		UP DOWN MOTOR control signal 1
5	U – D MOTOR 0	O		O(L)		UP DOWN MOTOR control signal 0
6				O(L)		OPEN MOTOR control signal
7	BUS I/O CONT	O		O(L)		BUS data clock input/output control
8	VDD					Positive power supply
9	FIFO SCK	I/O		I		Clock output to E. VOL LCD
10	EVOL SO	I/O	O	I		Data output to E. VOL
11	LCD SO	I/O	O	I		Data output to LCD
12	SPEED	I/O	O	I		Detect if the spindle motor is accelerated
13	REMOCON	I/O	O	I		Remote control input
14	BUS SCK	I/O	O	I		BUS clock input and output
15	BUS SO	I/O	O	I		BUS data output
16	BUS SI	I/O	O	I		BUS data input
17	RESET				L	Microprocessor reset
18	LSI RESET	I/O	O	I	L	Reset signal output TC9236
19	VSS 3	I/O	O	I		Data input and output signal 3 with TC9236
20	AVss		O			Ground potential of the A/D convertor
21	KEY 7	I/O	I	I		Key A/D input pin 7
22	KEY 6	I/O	I	I		Key A/D input pin 6
23	KEY 5	I/O	I/O	I		Key A/D input pin 5
24	KEY 4	I/O	O	I		Key A/D input pin 4
25	KEY 3	I/O	I	I		Key A/D input pin 3
26	KEY 2	I/O	I	I		Key A/D input pin 2
27	KEY 1	I/O	O	I		Key A/D input pin 1
28	KEY 0	I/O	I/O	I		Key A/D input pin 0
29	AVdd					Analog power supply of the A/D converter
30	AVref		I			Reference voltage input of the A/D converter
31	X T 1	I	I I	I		32.768 kHz crystal oscillator connection pin (not used)
32	XT 2		I I			32.768 kHz crystal oscillator connection pin (not used)
33	Vss		I			Ground potential
34	X 1		I			4.19 MHz crystal oscillator connection pin
35	X 2		I			4.19 MHz crystal oscillator connection pin
36	DETACH	I/O		I	H	Detachable panel release detection
37	BUZZER	I/O		I		Buzzer clock output (spindle acceleration pulse output) *1
38	CLOCK ADJ. OUT	I/O		I		Clock output for clock adjustment (spindle brake) *1
39	TH.PROTECTOR	I/O		I	L	Thermo protector operation detection
40	TEL MUTE	I/O		I	L	TELEPHONE MUTE input detection (Active L)
41	POWER SAVE 1	I/O		I	L	Power save 1 detection (ACC detection)
42	RESET SW	I/O		I	L	Rest SW detection
43	DOOR OPEN SW	I/O		I	L	Door open detection
44	EJECT KEY	I/O		I	L	Open/eject key

*1 uses mechanical jigs only.

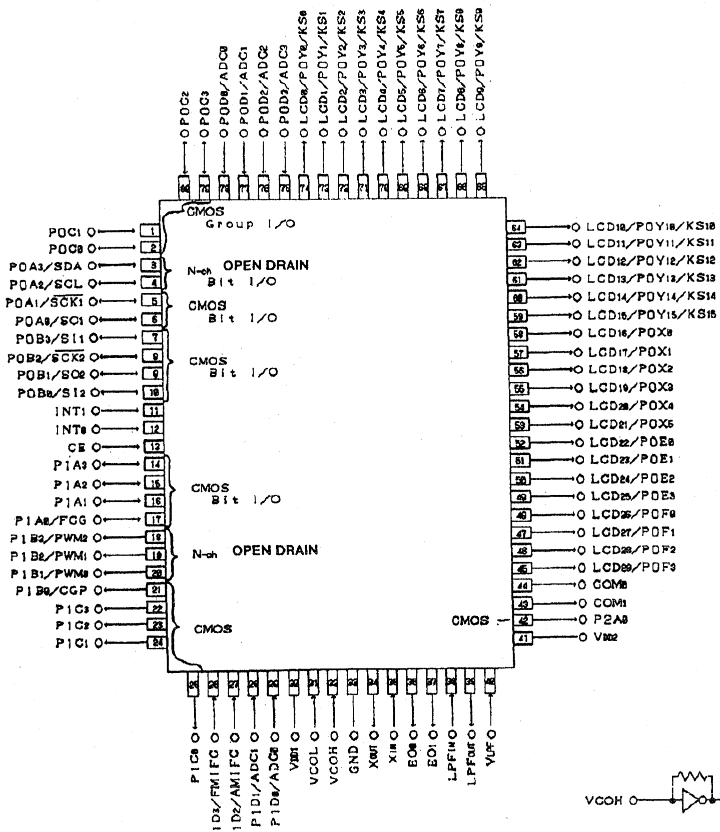
PIN No.	Name of Signal	I/O of micon.	I/O of unit	Initialize after reset	Active mode	Pin function
45	DOOR CLOSE SW	I/O	I	I	L	Door open detection
46	POWER SAVE 2	I/O	I	I	L	Power Save 2 detection (MEMORY detection)
47	BUS INT	I	I	I	H	BUS communication interruption detection
48						(Connected to Vss)
49	BUS 2	I/O	I/O	I	O	Data input and output signal 2 with TC9236
50	BUS 1	I/O	I/O	I	O	Data input and output signal 1 with TC9236
51	BUS 0	I/O	I/O	I	O	Data input and output signal 0 with TC9236
52	Vdd					Positive Power supply
53	SW 9	I/O	I	I		Safety SW
54	SW 8	I/O	I	I		Round count SW
55	SW 7	I/O	I	I		Round initial SW
56	SW 6	I/O	I	I		Magazine open SW
57	SW 5	I/O	I	I		Open/Close count SW
58	SW 4	I/O	I	I		Open/Close initial SW
59	SW 3	I/O	I	I		Magazine in SW
60	SW 2	I/O	I	I		Up/Down count SW
61	SW 1	I/O	I	I		Loading start/end SW
62	CLOK MODE	I/O	I	I		Detects if clock function destination is selected
63	POWER ON	I/O	I	I		Detects if power ON is forcibly selected
64	CLOC ADJ IN	I/O	I	I	H	Detects if clock adjustment mode is selected. Adjusting at H and normal operation at L.
65	DOOR	I/O	I	I	H	Door detection prohibit input
66	BUCK	I/O	O	I		Communication clock output with TC9236
67	CCE	I/O	O	I		TC9236 control chip enable signal
68		I/O	I	I		
69		O	IO	O(L)		(Load/Eject) *1
70	SENSOR POWER	O	O	O(L)	H	Remote control sensor power supply control output. (PLAY pulse) *1
71			O			(Connect to Vss)
72	POWER REMOTE	O	O	O(L)	H	Remote output pin during power ON. (SWCT1) *1
73	LCD 2 CS	O	O	O(L)	H	Driver control chip select for LCD2
74	LCD 1 CS	O	O	O(L)	H	Driver control chip select for LCD1
75	RELAY	O	O	O(L)	H	Power relay control signal output
76	MUTE	O	O	O(L)	L	Audio mute control signal output
77	CD REMOTE	O	O	O(L)	H	CD remote output pin. (SWCT2) *1
78	HYPER BUS	O	O	O(L)	H	Active Hyper-Bass control (SWCT3) *1
79	CD ON	O	O	O(L)	H	CD LSI ON
80	O – C MOTOR 1	O	O	O(L)		Open/Close motor control signal 1

■ Pin functon of tuner control IC, (IC701)UPD17003AGF

Pin No.	Name of Signal	I/O of micon.	Active mode	Pin function
1	$\overline{\text{AGC}}$	O	L	AGC output – L during auto seek
2	$\overline{\text{MUTE}}$	O	L	Mute output – L during muting
3		I/O		
4		I/O		
5	J – BUS SCK	I/O	H	J BUS clock input and output
6	J – BUS SCK	O	H	J BUS data output
7	J – BUS SI	II/o	H	J BUS data input
8		O		
9		O		
10		I		
11	J – BUS INT	I	H	J BUS interruption input pin
12		I		
13	CE	I	H	Microprocessor chip enable input pin. Microprocessor operates normally at H.
14	J – BUS I/O SEL	O	H	J BUS input and output select output
15	$\overline{\text{DK}}$ IN	I	L	DK input – L when DK is ON
16	$\overline{\text{SK}}$ IN	I	L	SK input – L when SK is ON
17	$\overline{\text{ST}}$ IN	I	L	ST input (both FM and AM) – L when ST is detected
18		O		
19	TU OUT	O	H	Tuner output – H when outputting tuner sound
20	DK OUT	O	H	DK output – H during DK interrupt operation
21	WT	O	H	900 Hz, duty cycle of 50%. 0.5 second ON and 0.5 second OFF.Warning tone output 900 Hz
22	WTL	O	H	H during warning tone output
23	MONO OUT	O	H	Mono output – L when mono is forcibly output
24	BAND 1 OUT	O	H	Band 1 – FM/AM band select output
25	BAND2 OUT	O	H	Band 2 – LW/SDK band select output
26	FM IF COUNT IN	I	H	FM IF count input
27	AM IF COUNT IN	I	H	AM IF count input
28	SM IN	I	H	S strength meter signal input
29	SD IN	I	H	Station detector input
30	Vdd1	I		Power supply pin
31	AM OSC IN	I	H	AM local oscillator input
32	FM OSC IN	I	H	FM local oscillator input
33	GND			GND
34	XtaL OUT	O		Crystal pin
35	XtaL IN	I		Crystal pin
36	Error out 0	O		PLL ERROR out 1
37	Error out 1	O		PLL ERROR out 2
38	LPF INPUT	I		LPF input pin for built-in PLL
39	LPF OUTPUT	I		LPF output pin for built-in PLL
40	LPF Vdd	I		LPF power supply
41	Vdd2			Power supply pin
42~72				Not used
73	KEY OUTPUT	O		
74	KEY OUTPUT	O		
75	KEY INPUT	I		Initial setting input
76	KEY INPUT	I		Initial setting input
77	KEY INPUT	I		Initial setting input
78	KEY INPUT	I		Initial setting input
79	$\overline{\text{DYNAS}}$	O		Dynas output
80	LOCAL SCAN	O		Local scan output

IC Block diagram

UPD17003AGF (IC701)CPU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POC3
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POD1/ADC1
POD2/ADC2
POD3/ADC3
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LCD2/POY2/KS2
LCD3/POY3/KS3
LCD4/POY4/KS4
LCD5/POY5/KS5
LCD6/POY6/KS6
LCD7/POY7/KS7
LCD8/POY8/KS8
LCD9/POY9/KS9
80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65
CMOS
Group I/O
POC1
POC0
POA3/SDA
POA2/SCL
POA1/SCK1
POA0/SO1
POB3/SI1
POB2/SCK2
POB1/SO2
POB0/SI2
INT1
INT0
CE
P1A3
P1A2
P1A1
P1A0/FCG
P1B2/PWM2
P1B2/PWM1
P1B1/PWM0
P1B0/CGP
P1C3
P1C2
P1C1
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CMOS
Bit I/O
CMOS
Bit I/O
CMOS
Bit I/O
N-ch OPEN DRAIN
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CMOS
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LCD11/POY11/KS11
LCD12/POY12/KS12
LCD13/POY13/KS13
LCD14/POY14/KS14
LCD15/POY15/KS15
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LCD24/POE2
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LCD26/POF0
LCD27/POF1
LCD28/POF2
LCD29/POF3
COM0
COM1
P2A0
VDD2
64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41
25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40
P1C0
P1D3/FMIFC
P1D2/AMIFC
P1D1/ADC1
P1D0/ADC0
VDD1
VCOL
VCOH
GND
XOUT
XIN
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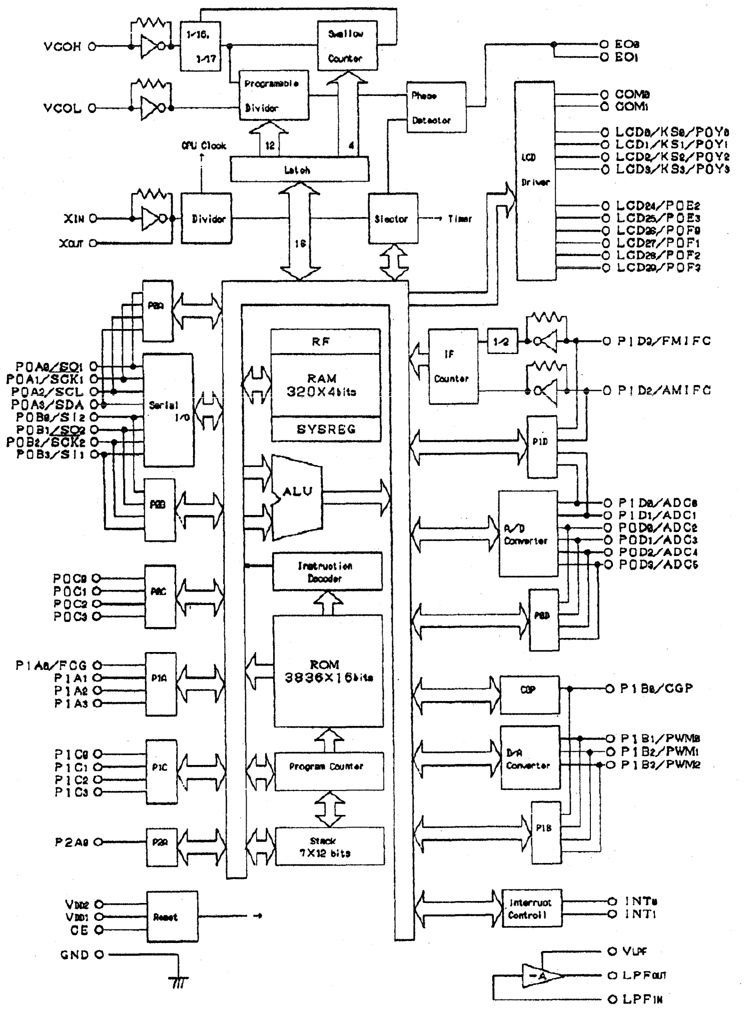
EO1
LPFIN
LPFOUT
VLPF


VCOH
VCOL
1/16, 1/17
Swallow Counter
Programmable Divider
Phase Detector
EO0
EO1
CPU Clock
12
4
Latch
XIN
XOUT
Divider
16
Slector
Timer
LCD Driver
COM0
COM1
LCD0/KS0/POY0
LCD1/KS1/POY1
LCD2/KS2/POY2
LCD3/KS3/POY3
LCD24/POE2
LCD25/POE3
LCD26/POF0
LCD27/POF1
LCD28/POF2
LCD29/POF3
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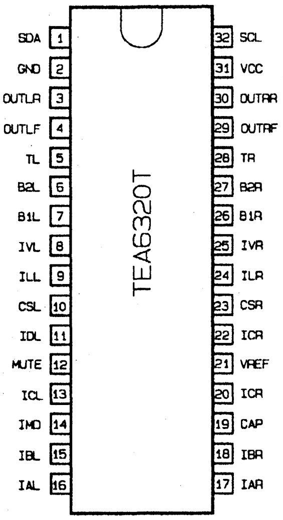
POA0/SO1
POA1/SCK1
POA2/SCL
POA3/SDA
POB0/SI2
POB1/SO2
POB2/SCK2
POB3/SI1
Serial I/O
P0B
RF
RAM 320X4bits
SYSREG
ALU
Instruction Decoder
ROM 3836X16bits
Program Counter
Stack 7X12 bits
IF Counter
1/2
P1D3/FMIFC
P1D2/AMIFC
P1D
A/D Converter
P1D0/ADC0
P1D1/ADC1
POD0/ADC2
POD1/ADC3
POD2/ADC4
POD3/ADC5
P0D
POC0
POC1
POC2
POC3
P0C
P1A0/FCG
P1A1
P1A2
P1A3
P1A
P1C0
P1C1
P1C2
P1C3
P1C
P2A0
P2A
CGP
P1B0/CGP
D/A Converter
P1B1/PWM0
P1B2/PWM1
P1B3/PWM2
P1B
VDD2
VDD1
CE
Reset
GND
Interrupt Control
INT0
INT1
VLPF
LPFOUT
LPFIN
-A

■ TEA6320T(IC321)E.VOLUME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4 OUTLF
5 TL
6 B2L
7 B1L
8 IVL
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13 ICL
14 IMO
15 IBL
16 IAL
32 SCL
31 VCC
30 OUTRR
29 OUTRF
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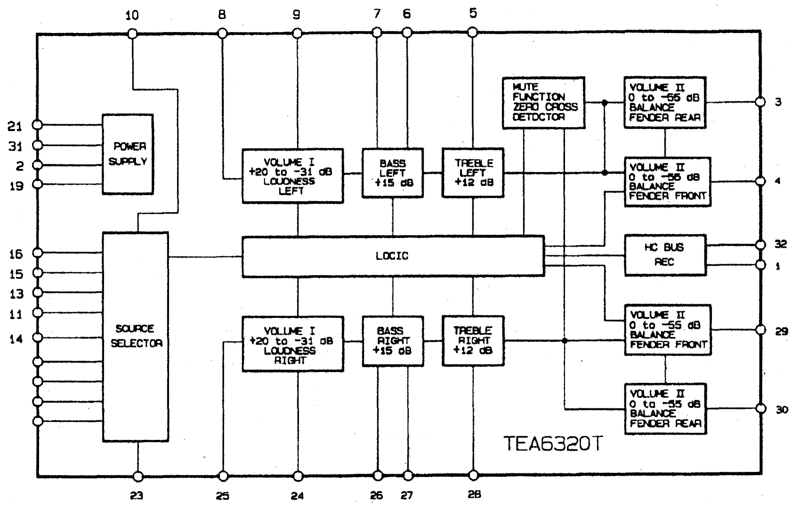
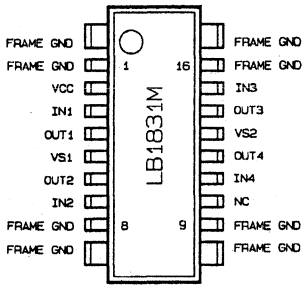
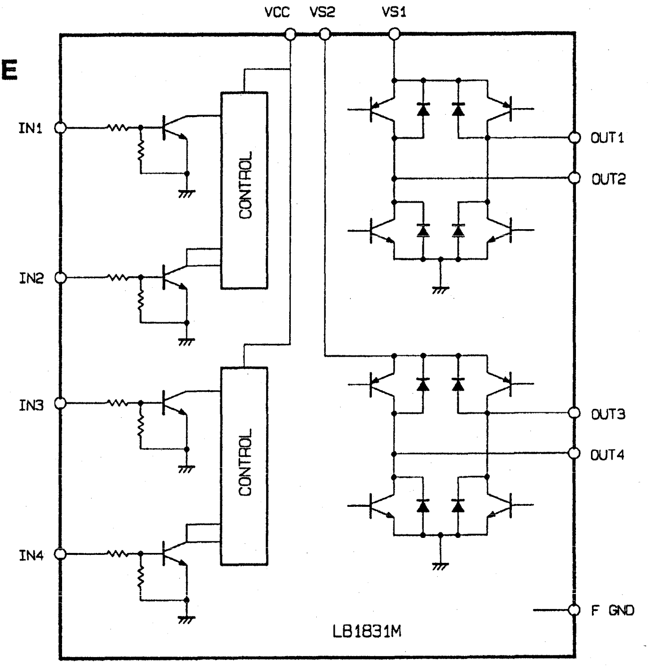
20 ICR
19 CAP
18 IBR
17 IAR

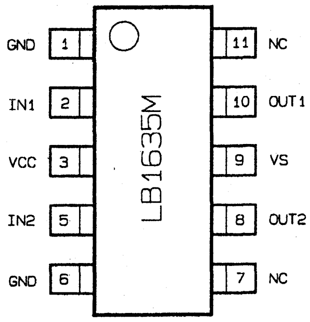

10
8
9
7
6
5
21
31
2
19
16
15
13
11
14
POWER SUPPLY
SOURCE SELECTOR
VOLUME I +20 to -31 dB LOUDNESS LEFT
BASS LEFT +15 dB
TREBLE LEFT +12 dB
MUTE FUNCTION ZERO CROSS DETDCTOR
VOLUME II 0 to -55 dB BALANCE FENDER REAR
VOLUME II 0 to -55 dB BALANCE FENDER FRONT
LOCIC
HC BUS REC
VOLUME I +20 to -31 dB LOUDNESS RIGHT
BASS RIGHT +15 dB
TREBLE RIGHT +12 dB
VOLUME II 0 to -55 dB BALANCE FENDER FRONT
VOLUME II 0 to -55 dB BALANCE FENDER REAR
3
4
32
1
29
30
TEA6320T
23
25
24
26
27
28

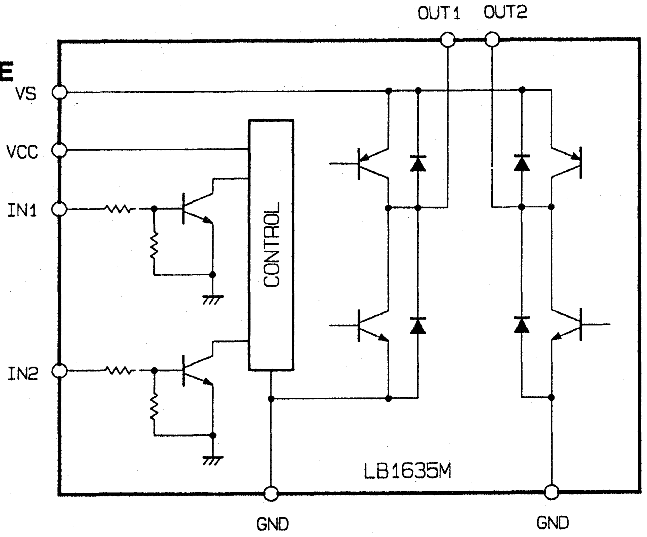
■ LB1831M(IC681)UP-DOWN/ ROUND MOTOR DRIVE


LB1831M
FRAME GND
FRAME GND
VCC
IN1
OUT1
VS1
OUT2
IN2
FRAME GND
FRAME GND
1
16
8
9
FRAME GND
FRAME GND
IN3
OUT3
VS2
OUT4
IN4
NC
FRAME GND
FRAME GND

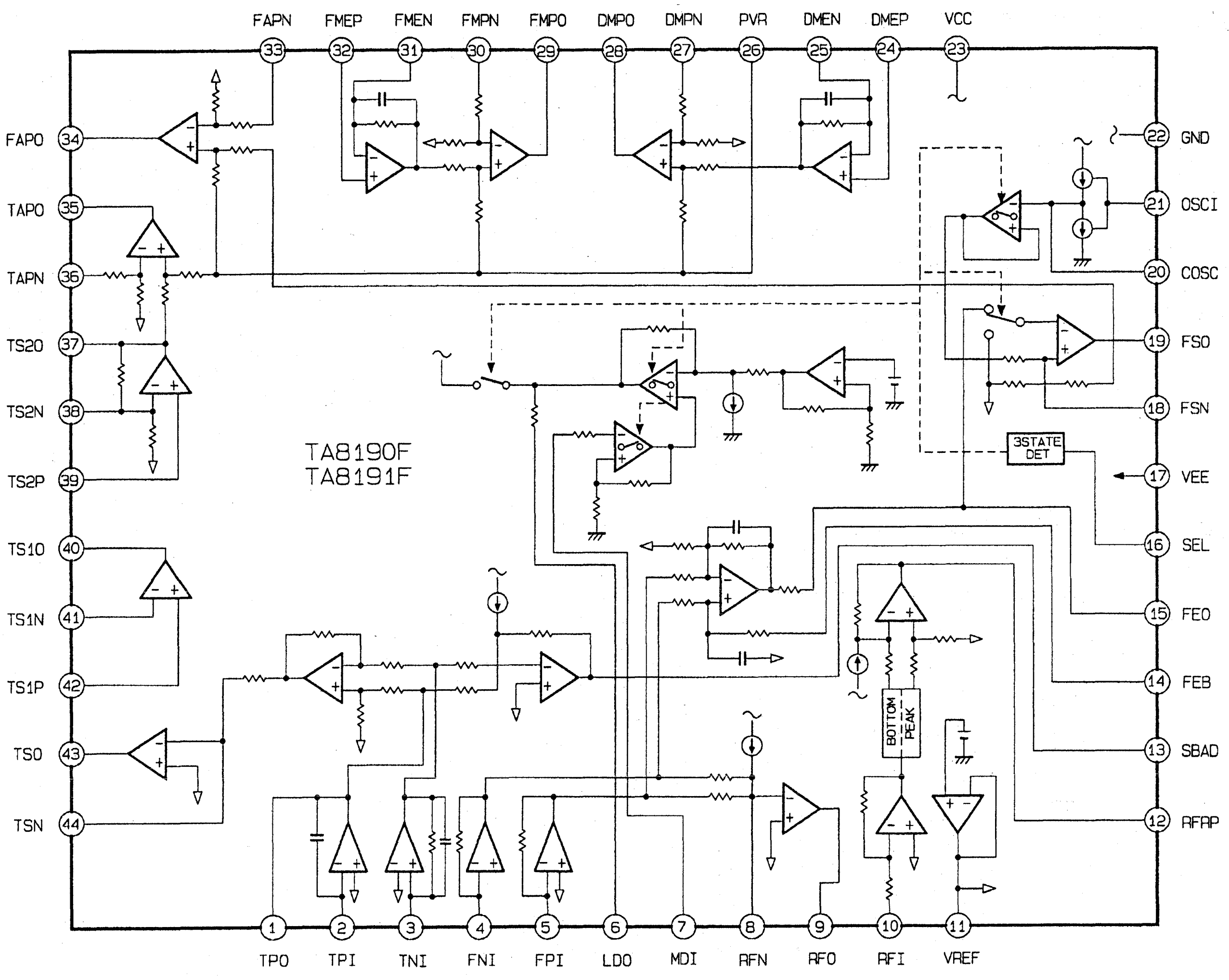

VCC
VS2
VS1
IN1
IN2
IN3
IN4
CONTROL
CONTROL
OUT1
OUT2
OUT3
OUT4
F GND
LB1831M

■ LB1635M(IC682)OPEN-CLOSE MOTOR DRIVE

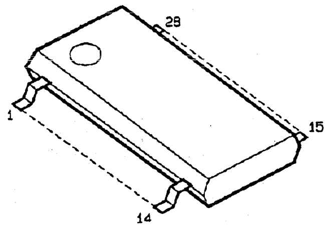

LB1635M
GND 1
IN1 2
VCC 3
IN2 5
GND 6
11 NC
10 OUT1
9 VS
8 OUT2
7 NC

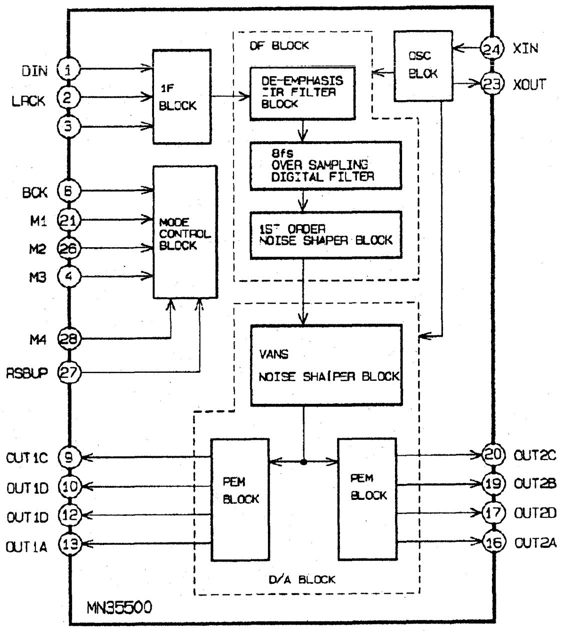

OUT1
OUT2
VS
VCC
IN1
IN2
CONTROL
LB1635M
GND
GND

■ TA8190F/TA8191F(IC501)CD RF AMP

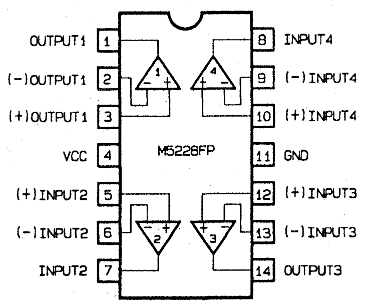

FAPN 33
FMEP 32
FMEN 31
FMPN 30
FMPO 29
DMPO 28
DMPN 27
PVR 26
DMEN 25
DMEP 24
VCC 23
GND 22
OSCI 21
COSC 20
FSO 19
FSN 18
VEE 17
SEL 16
FEO 15
FEB 14
SBAD 13
RFRP 12
FAPO 34
TAPO 35
TAPN 36
TS2O 37
TS2N 38
TS2P 39
TS1O 40
TS1N 41
TS1P 42
TSO 43
TSN 44
TPO 1
TPI 2
TNI 3
FNI 4
FPI 5
LDO 6
MDI 7
RFN 8
RFO 9
RFI 10
VREF 11
TA8190F
TA8191F
3STATE DET
BOTTOM
PEAK

■ MN35500(IC151) DAC

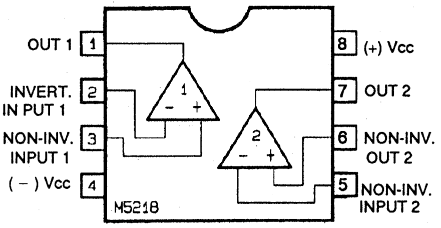


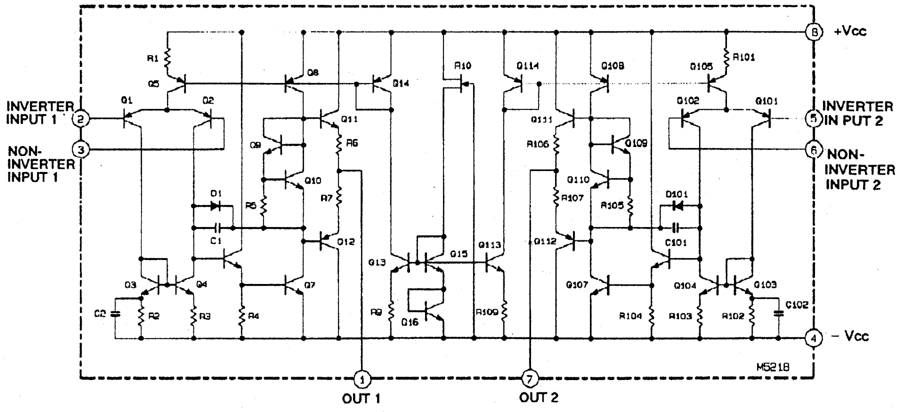

DIN 1
LRCK 2
3
BCK 5
M1 21
M2 26
M3 4
M4 28
RSBUP 27
1F BLOCK
MODE CONTROL BLOCK
DF BLOCK
DE-EMPHASIS IIR FILTER BLOCK
8fs OVER SAMPLING DIGITAL FILTER
1ST ORDER NOISE SHAPER BLOCK
OSC BLOCK
XIN 24
XOUT 23
VANS NOISE SHAPER BLOCK
PEM BLOCK
PEM BLOCK
D/A BLOCK
OUT1C 9
OUT1D 10
OUT1D 12
OUT1A 13
OUT2C 20
OUT2B 19
OUT2D 17
OUT2A 16
MN35500

■ M5228FP(IC322)BUFFER

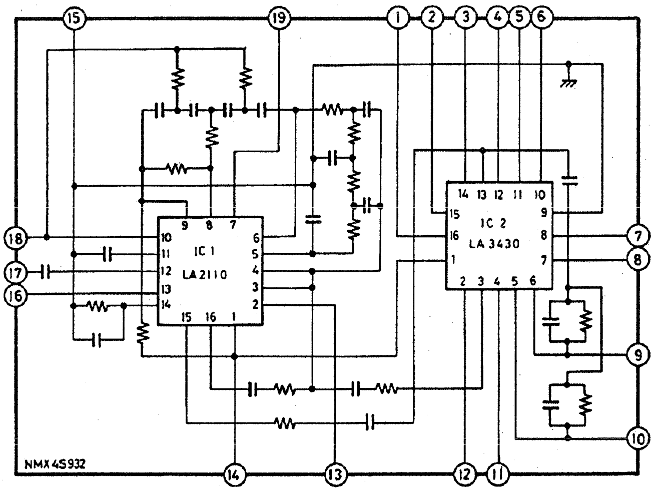

OUTPUT1 1
(−)OUTPUT1 2
(+)OUTPUT1 3
VCC 4
(+)INPUT2 5
(−)INPUT2 6
INPUT2 7
INPUT4 8
(−)INPUT4 9
(+)INPUT4 10
GND 11
(+)INPUT3 12
(−)INPUT3 13
OUTPUT3 14
M5228FP
1
2
3
4

■ M5218(IC152/IC301/IC101/IC51)

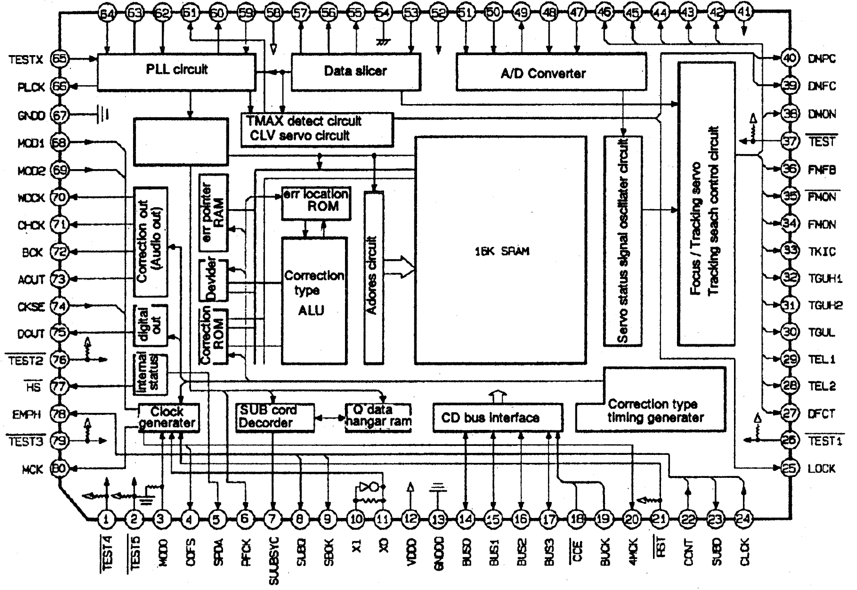

OUT 1
1
INVERT. IN PUT 1
2
NON-INV. INPUT 1
3
(–) Vcc
4
8
(+) Vcc
7
OUT 2
6
NON-INV. OUT 2
5
NON-INV. INPUT 2
M5218


+Vcc
INVERTER INPUT 1
NON-INVERTER INPUT 1
INVERTER IN PUT 2
NON-INVERTER INPUT 2
– Vcc
OUT 1
OUT 2
M5218

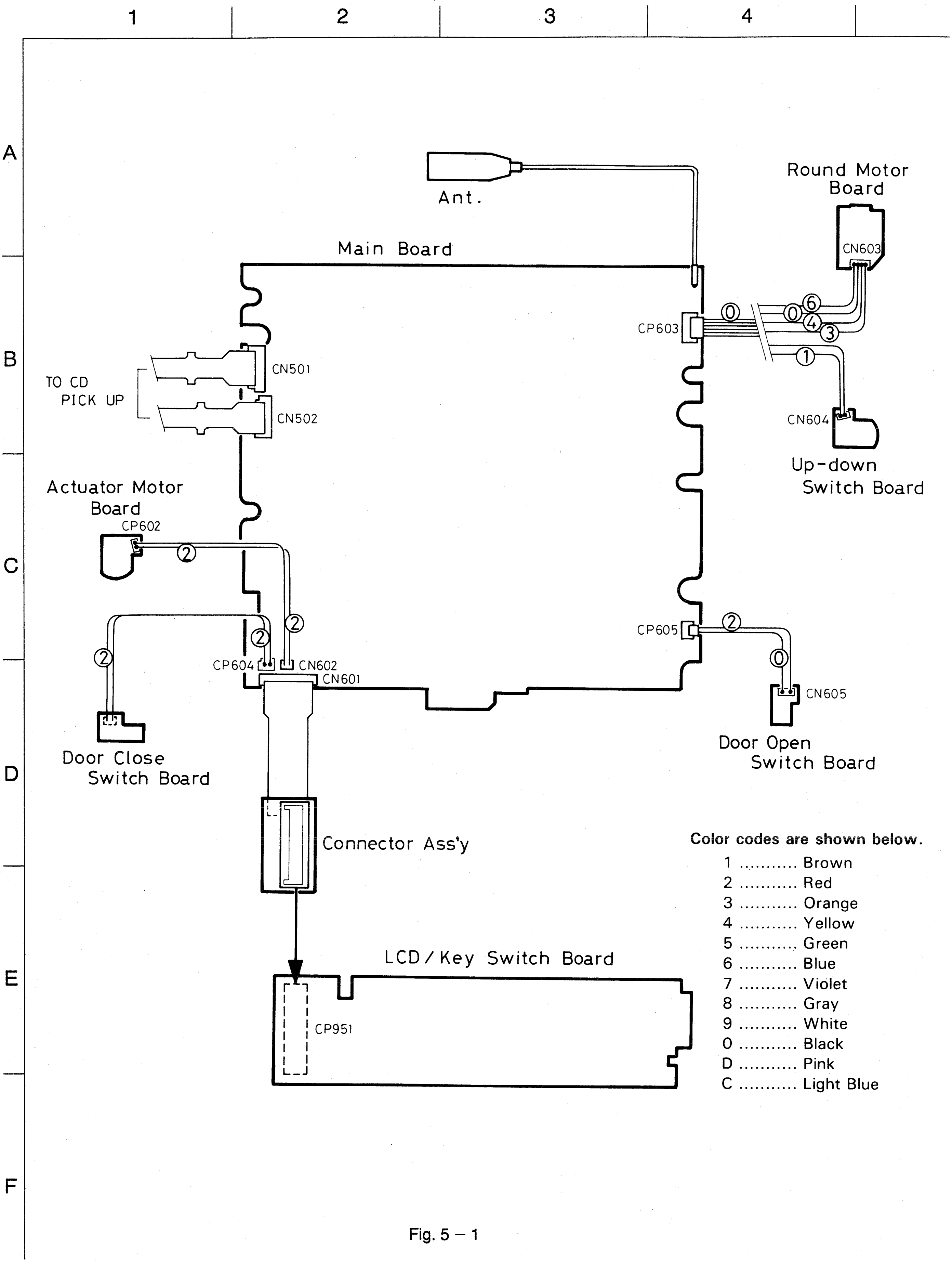
■ NMX4S932(IC31)NOISE.C/MPX


IC 1
LA2110
IC 2
LA 3430
NMX4S932

■ TC9326AF(IC561)DATA/SERVO PROSESSOR


VCOF
LPFO
LPFN
TMAX
PDO
PDONT
VDDA
DTCS1
EFMO
DTSC2
GNDA
RF1
VREF
RFRP
SBAD
TEOF
TESH
FE1
FEL1
FEL2
FKIC
FCSI
SEL
2VREF
TESTX
PLCK
GNDD
MOD1
MOD2
WDCK
CHCK
BCK
AOUT
CKSE
DOUT
TEST2
HS
EMPH
TEST3
MCK
DMPC
DMFC
DMON
TEST
FMFB
FMON
FMON
TKIC
TGUH1
TGUH2
TGUL
TEL 1
TEL 2
DFCT
TEST1
LOCK
TEST4
TEST5
MODO
DOFS
SPDA
RFCK
SUBSYC
SUBQ
SBOK
X1
XO
VDDD
GNDDD
BUS0
BUS1
BUS2
BUS3
CCE
BUCK
4MCK
RST
CONT
SUBD
CLCK
PLL circuit
Data slicer
A/D Converter
TMAX detect circuit
CLV servo circuit
Correction out (Audio out)
digital out
internal status
err pointer RAM
Devider
Correction ROM
err location ROM
Correction type ALU
Adores circuit
16K SRAM
Servo status signal oscillater circuit
Focus / Tracking servo Tracking seach control circuit
Clock generater
SUB cord Decorder
Q data hangar ram
CD bus interface
Correction type timing generater

5 Wiring connections


1
2
3
4
A
B
C
D
E
F
Ant.
Main Board
Round Motor Board
CN603
CP603
⓪
⓪
⑥
④
③
①
CN604
Up-down Switch Board
TO CD PICK UP
CN501
CN502
Actuator Motor Board
CP602
②
②
②
②
CP604
CN602
CN601
CP605
②
⓪
CN605
Door Open Switch Board
Door Close Switch Board
Connector Ass'y
LCD / Key Switch Board
CP951

Color codes are shown below.

1 .... Brown
2 .... Red
3 .... Orange
4 .... Yellow
5 .... Green
6 .... Blue
7 .... Violet
8 .... Gray
9 .... White
0 .... Black
D .... Pink
C .... Light Blue

Fig. 5 – 1

6 Block diagram of circuit

◆ B/E/GI Version

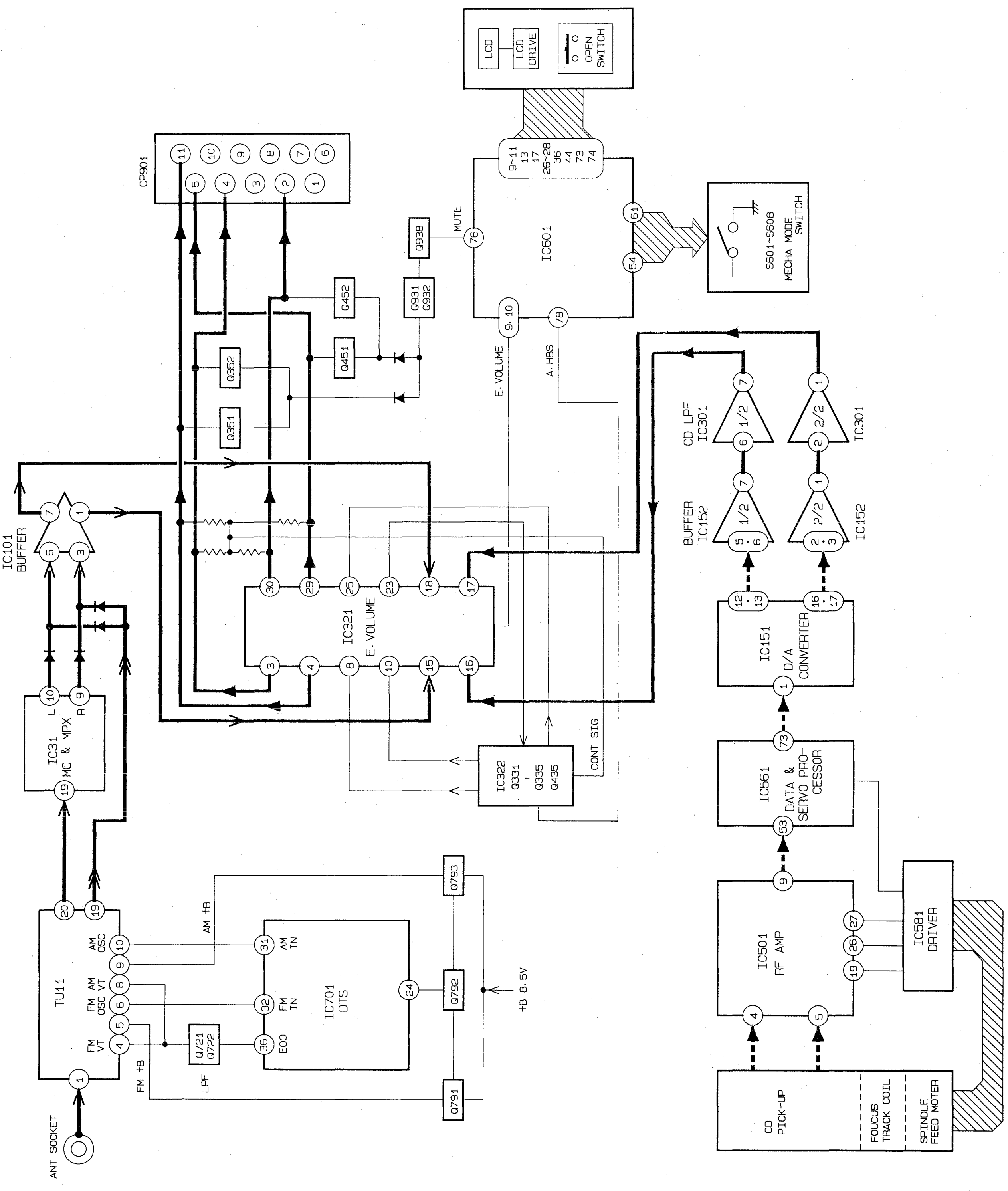

1
2
3
4
A
B
C
D
E
F
LCD
LCD DRIVE
OPEN SWITCH
CP901
11
10
9
8
7
6
5
4
3
2
1
9~11 13 17 26~28 36 44 73 74
IC601
MUTE
76
61
54
S601~S608 MECHA MODE SWITCH
9.10
78
E. VOLUME
A. HBS
Q938
Q931 Q932
Q452
Q451
Q352
Q351
IC101 BUFFER
CD LPF IC301
1/2
2/2
IC301
BUFFER IC152
IC152
IC321 E. VOLUME
30
29
25
23
18
17
3
4
8
10
15
16
IC31 MC & MPX
L
R
19
IC322 Q331 ~ Q335 Q435
CONT SIG
IC151 D/A CONVERTER
12 : 13
16 : 17
IC561 DATA & SERVO PRO-CESSOR
73
53
TU11
20
19
AM OSC
AM VT
FM OSC
FM VT
AM +B
FM +B
LPF
Q721 Q722
IC701 DTS
AM IN
FM IN
EOO
31
32
36
24
Q793
Q792
Q791
+B 8.5V
IC501 RF AMP
27
26
IC581 DRIVER
CD PICK-UP
FOUCUS TRACK COIL
SPINDLE FEED MOTER
ANT SOCKET

Fig 6 – 1

1 2 3 4

A B C D E F

◆ G/GE Version

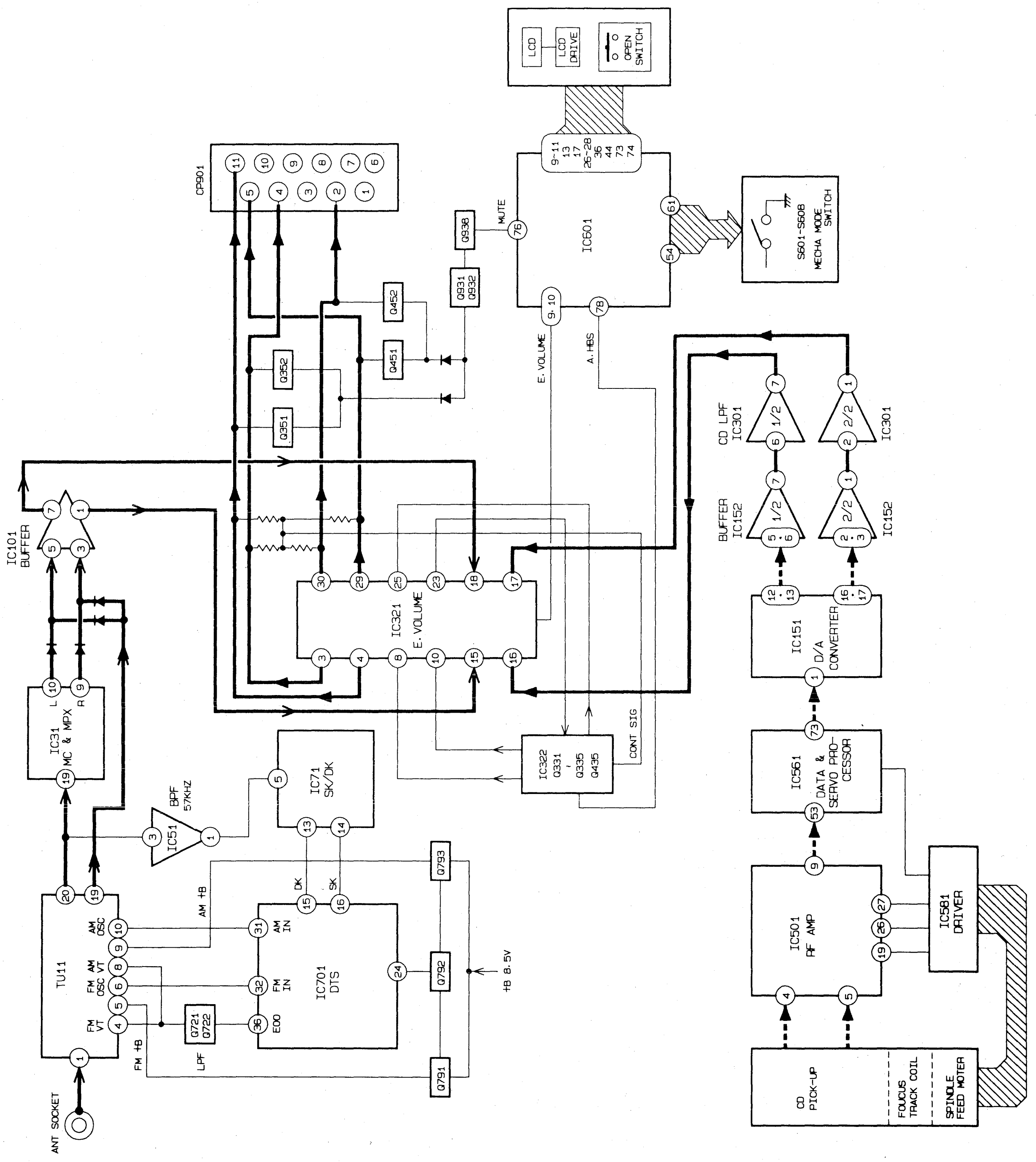

LCD
LCD DRIVE
OPEN SWITCH
CP901
IC601
MUTE
9–11 13 17 26–28 36 44 73 74
Q938
Q931 Q932
Q452
Q451
Q352
Q351
S601–S608 MECHA MODE SWITCH
E. VOLUME
A. HBS
CD LPF IC301 1/2
IC301 2/2
BUFFER IC152 1/2
IC152 2/2
IC321 E. VOLUME
IC101 BUFFER
IC31 MC & MPX
L
R
BPF 57KHZ
IC51
IC71 SK/DK
IC322 Q331 ~ Q335 Q435
CONT SIG
IC151 D/A CONVERTER
IC561 DATA & SERVO PRO-CESSOR
IC501 RF AMP
IC581 DRIVER
CD PICK-UP
FOUCUS TRACK COIL
SPINDLE FEED MOTER
TU11
AM OSC
FM OSC
AM VT
FM VT
ANT SOCKET
FM +B
AM +B
LPF
Q721 Q722
IC701 DTS
AM IN
FM IN
EOO
DK
SK
Q793
Q792
Q791
+B 8.5V

Fig. 6 – 1

7 Standard schematic diagram

■ Power amplifire circuit

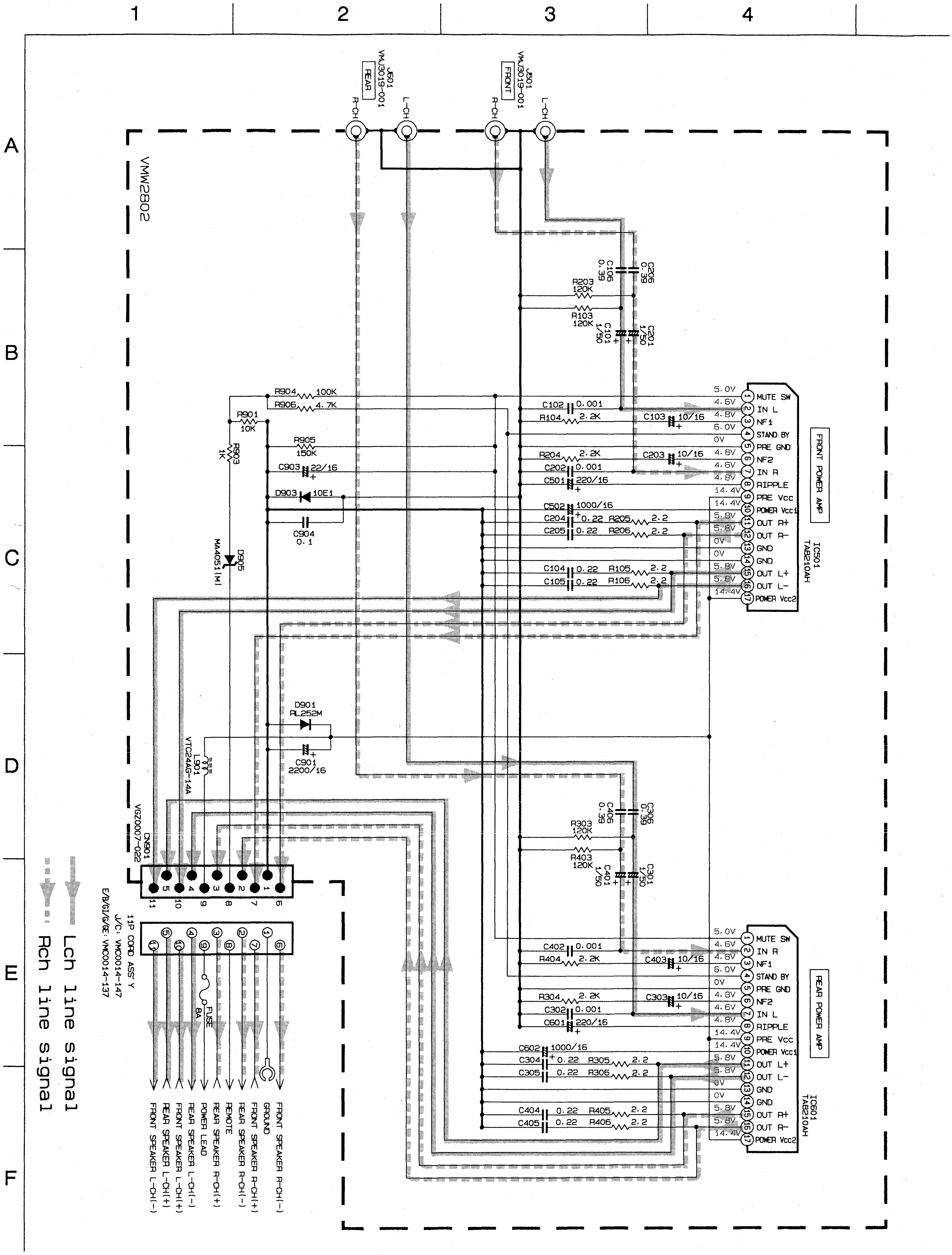
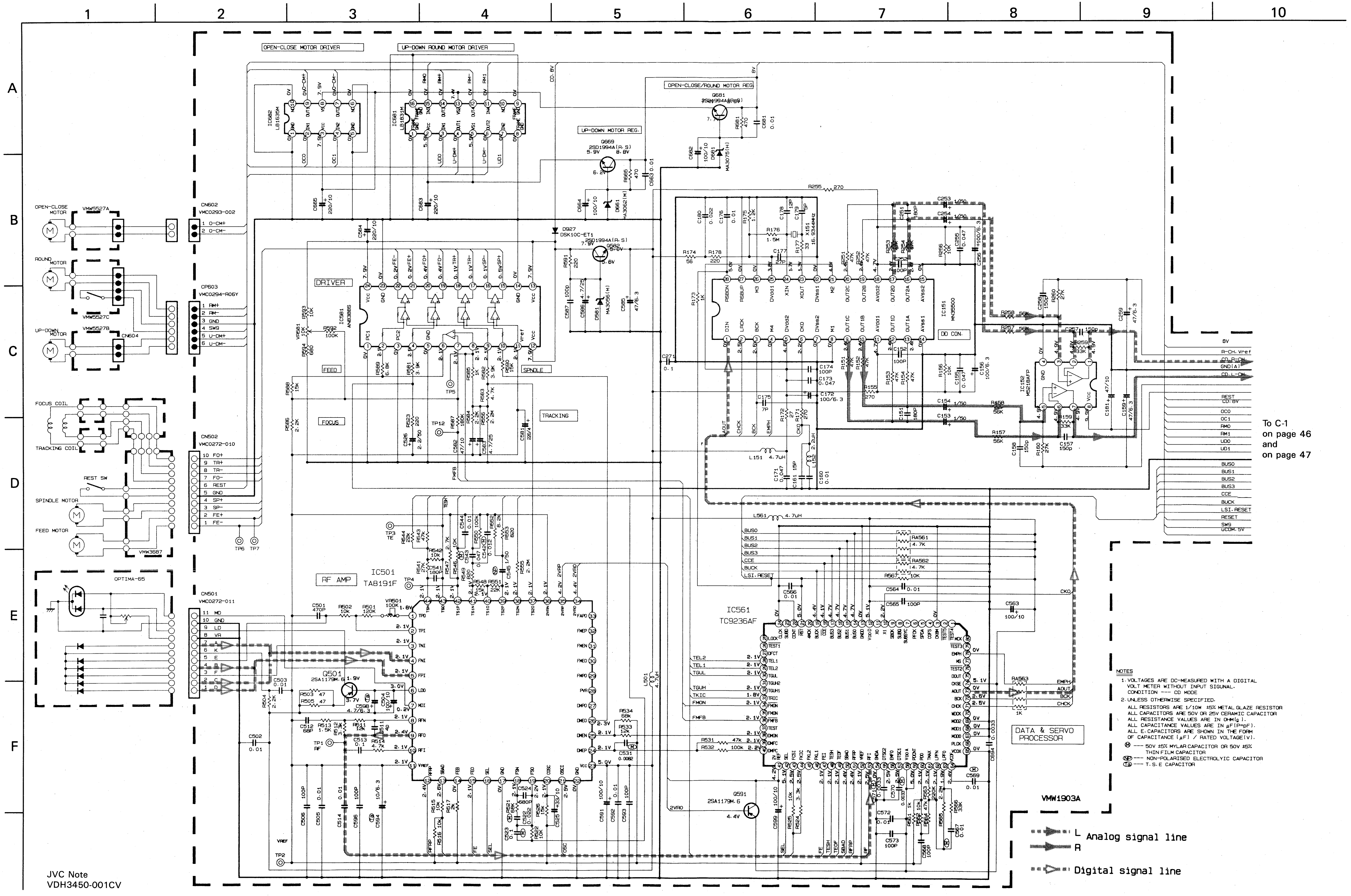

1
2
3
4
A
B
C
D
E
F
J501
VMJ3019-001
REAR
FRONT
R-CH
L-CH
VMW2802
C106
0.39
C206
0.39
R203
120K
R103
120K
C101
1/50
C201
1/50
R904 100K
R906 4.7K
R901
10K
R903
1K
R905
150K
C903 22/16
D903 10E1
C904
0.1
D905
MA4051(M)
C102 0.001
R104 2.2K
C103 10/16
R204 2.2K
C203 10/16
C202 0.001
C501 220/16
C502 1000/16
C204 0.22
R205 2.2
C205 0.22
R206 2.2
C104 0.22
R105 2.2
C105 0.22
R106 2.2
5.0V
4.6V
4.8V
6.0V
0V
14.4V
5.8V
MUTE SW
IN L
NF1
STAND BY
PRE GND
NF2
IN R
RIPPLE
PRE Vcc
POWER Vcc1
OUT R+
OUT R-
GND
OUT L+
OUT L-
POWER Vcc2
FRONT POWER AMP
IC501
TA8210AH
D901
RL252M
C901
2200/16
L901
VTC24AG-14A
CN801
VGZ0007-022
C406
0.39
C306
0.39
R303
120K
R403
120K
C401
1/50
C301
1/50
C402 0.001
R404 2.2K
C403 10/16
R304 2.2K
C303 10/16
C302 0.001
C601 220/16
C602 1000/16
C304 0.22
R305 2.2
C305 0.22
R306 2.2
C404 0.22
R405 2.2
C405 0.22
R406 2.2
IN R
IN L
OUT L+
OUT L-
OUT R+
OUT R-
REAR POWER AMP
IC601
TA8210AH
11P CORD ASS'Y
J/C: VMC0014-147
E/B/GI/GE: VMC0014-137
FUSE
8A
FRONT SPEAKER R-CH(-)
GROUND
FRONT SPEAKER R-CH(+)
REAR SPEAKER R-CH(-)
REMOTE
REAR SPEAKER R-CH(+)
POWER LEAD
REAR SPEAKER L-CH(-)
FRONT SPEAKER L-CH(+)
REAR SPEAKER L-CH(+)
FRONT SPEAKER L-CH(-)
Lch line signal
Rch line signal

Fig. 7 – 1

■ CD Amplifier Circuit


1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
OPEN-CLOSE MOTOR DRIVER
UP-DOWN ROUND MOTOR DRIVER
OPEN-CLOSE/ROUND MOTOR REG.
UP-DOWN MOTOR REG.
IC682 LB1635M
IC681 LB1641M
Q681 2SD1994A(R-S)
Q669 2SD1994A(R-S)
Q580 2SD1994A(R-S)
D927 DSK10C-ET1
D681 MA3075(H)
D661 MA3062(M)
D581 MA3056(M)
OPEN-CLOSE MOTOR
VMW5527A
ROUND MOTOR
VMW5527C
UP-DOWN MOTOR
VMW5527B
CN604
CN602 VMC0293-002
CP603 VMC0294-R06Y
FOCUS COIL
TRACKING COIL
REST SW
SPINDLE MOTOR
FEED MOTOR
VMK3687
CN502 VMC0272-010
OPTIMA-65
CN501 VMC0272-011
DRIVER
IC581 AN8388S
FEED
FOCUS
SPINDLE
TRACKING
TP5
TP12
TP3 TE
TP6
TP7
TP4
TP1 RF
TP2
VREF
RF AMP
IC501 TA8191F
Q501 2SA1179M.6
IC151 MN35500
DD CON.
IC152 M5218AFP
X151 16.9344MHz
L151 4.7uH
L152 2.2uH
L561 4.7uH
L501 4.7uH
IC561 TC9236AF
DATA & SERVO PROCESSOR
Q591 2SA1179M.6
VMW1903A
8V
R-CH.Vref
CD.R-CH
GND(A)
CD.L-CH
REST
CD.8V
OC0
OC1
RMO
RM1
UD0
UD1
BUS0
BUS1
BUS2
BUS3
CCE
BUCK
LSI.RESET
RESET
SW9
UCOM.5V
CKO
EMPH
AOUT
BCK
CHCK
To C-1 on page 46 and on page 47

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGUNAL.
   CONDITION --- CD MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR
   ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF) / RATED VOLTAGE(V).

Ⓜ --- 50V ±5% MYLAR CAPACITOR OR 50V ±5% THIN FILM CAPACITOR

(NP) --- NON-POLARISED ELECTROLYIC CAPACITOR

(Ta) --- T.S.E CAPACITOR

L
R Analog signal line

Digital signal line

JVC Note
VDH3450-001CV

■ Amplifier Circuit for B/E/GI Version

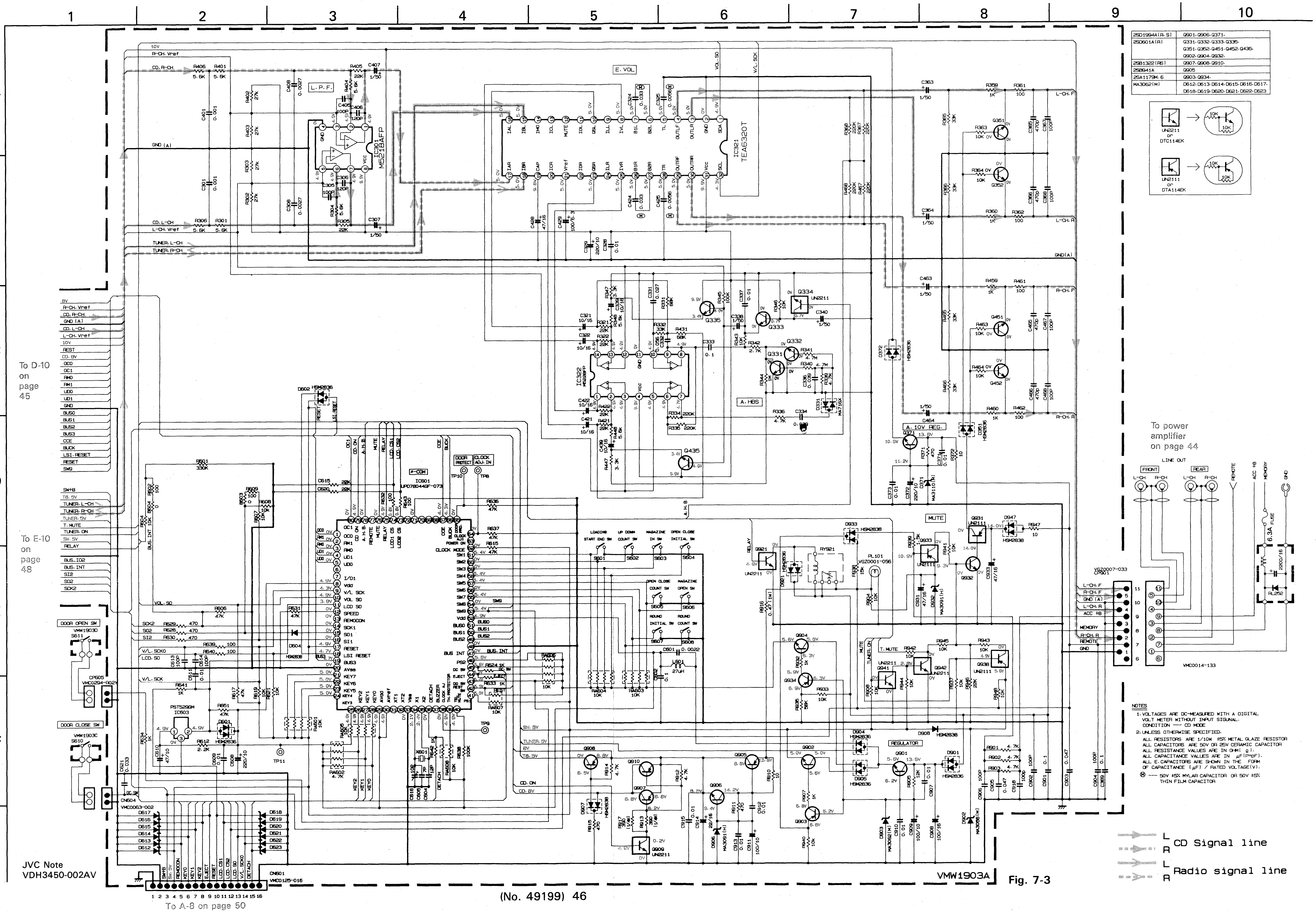

1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
L.P.F.
IC301 M5218AFP
E. VOL.
IC321 TEA6320T
IC322 M5218AFP
A. HBS
A. 10V REG.
MUTE
REGULATOR
μ-COM
IC601 UPD78044GF-073
DOOR PROTECT
CLOCK ADJ. IN
TP10
TP8
TP9
TP11
IC603 PST529GM
RY921
PL101 VGZ0001-056
To D-10 on page 45
To E-10 on page 48
To power amplifier on page 44
LINE OUT
FRONT
REAR
L-CH
R-CH
REMOTE
ACC +B
MEMORY
GND
FUSE 6.3A
DOOR OPEN SW
DOOR CLOSE SW
VMW1903C S611
VMW1903C S610
CP605 VMC0294-A02Y
CN604 VMC0063-002
CN601 VMC0125-016
CP901 VGZ0007-033
VMC0014-133
LOADING START END SW
UP DOWN COUNT SW
MAGAZINE IN SW
OPEN CLOSE INITIAL SW
OPEN CLOSE COUNT SW
MAGAZINE OPEN SW
ROUND INITIAL SW
ROUND COUNT SW
To A-8 on page 50
JVC Note VDH3450-002AV
VMW1903A
UN2211 or DTC114EK
UN2111 or DTA114EK
10K
10K

Fig. 7-3

2SD1994A(R.S)	Q901.Q906.Q371.
2SD601A(R)	Q331.Q332.Q333.Q335. Q351.Q352.Q451.Q452.Q435. Q902.Q904.Q932.
2SB1322(RS)	Q907.Q908.Q910.
2SB941A	Q905
2SA1179M.6	Q903.Q934.
MA3062(M)	D612.D613.D614.D615.D616.D617. D618.D619.D620.D621.D622.D623

NOTES

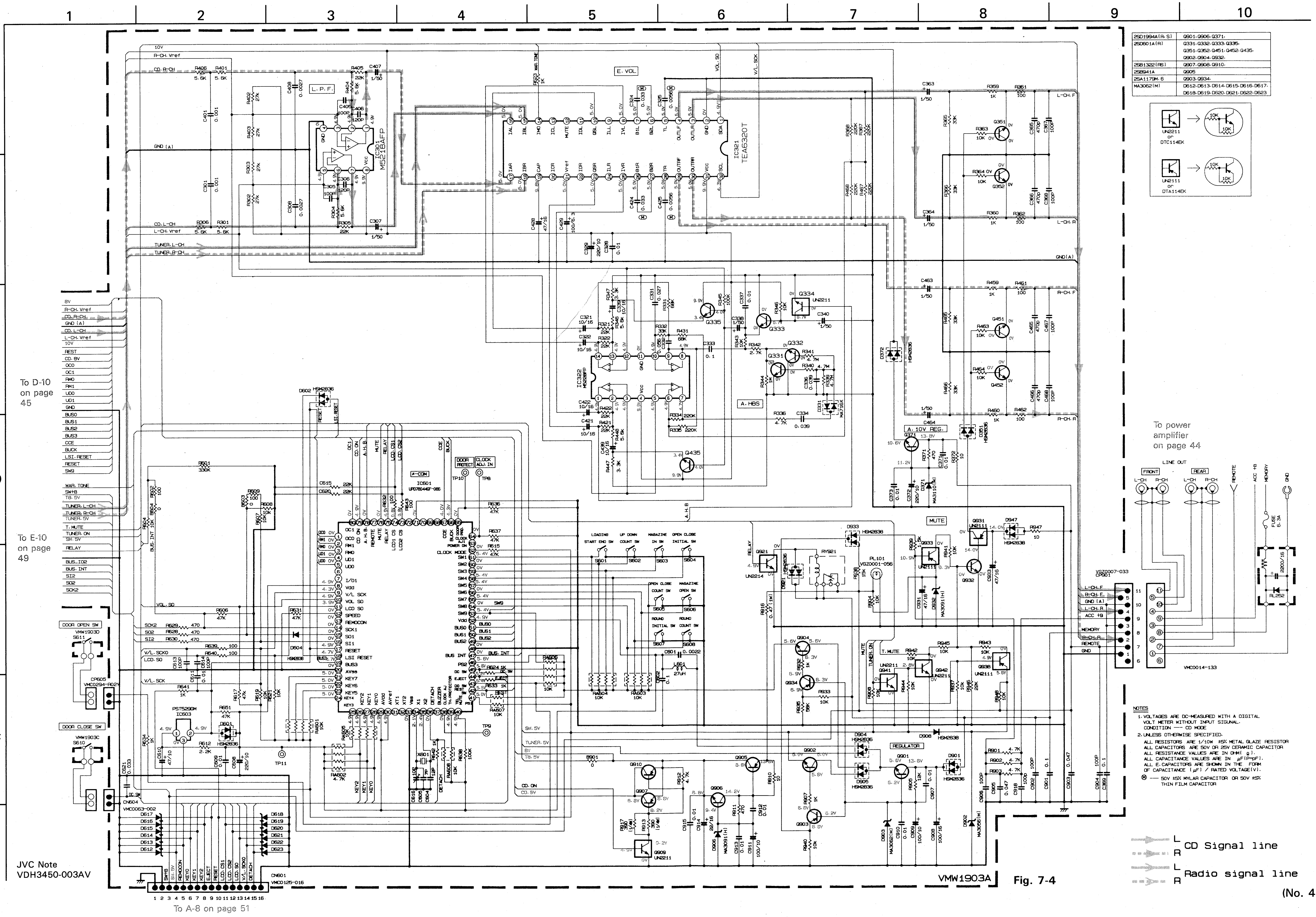
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGUNAL.
   CONDITION —— CD MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR
   ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF) / RATED VOLTAGE(V).

Ⓜ —— 50V ±5% MYLAR CAPACITOR OR 50V ±5% THIN FILM CAPACITOR

L R CD Signal line

L R Radio signal line

■ Amplifier Circui for G/GE Version


1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
To D-10 on page 45
To E-10 on page 49
To power amplifier on page 44
To A-8 on page 51
L.P.F.
IC301 M5218AFP
E. VOL.
IC321 TEA6320T
IC322 HS20FP
A. HBS
A. 10V REG.
µ-COM
IC501 UPD78044GF-086
MUTE
REGULATOR
DOOR PROTECT
CLOCK ADJ. IN
DOOR OPEN SW
DOOR CLOSE SW
LINE OUT
FRONT
REAR
L-CH
R-CH
REMOTE
ACC +B
MEMORY
FUSE 6.3A
VMW1903A
VMC0014-133
CN601 VMC0125-016
CN604 VMC0063-002
CP605 VMC0294-R02
CP901 VGZ0007-033
UN2211 or DTC114EK
UN2111 or DTA114EK
10K
L-CH. F
L-CH. R
R-CH. F
R-CH. R
GND(A)

2SD1994A(R.S)	Q901.Q906.Q371.
2SD601A(R)	Q331.Q332.Q333.Q335. Q351.Q352.Q451.Q452.Q435. Q902.Q904.Q932.
2SB1322(RS)	Q907.Q908.Q910.
2SB941A	Q905
2SA1179M.6	Q903.Q934.
MA3062(M)	D612.D613.D614.D615.D616.D617. D618.D619.D620.D621.D622.D623

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGUNAL.
   CONDITION --- CD MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR
   ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN µF(P=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (µF) / RATED VOLTAGE(V).

Ⓜ --- 50V ±5% MYLAR CAPACITOR OR 50V ±5% THIN FILM CAPACITOR

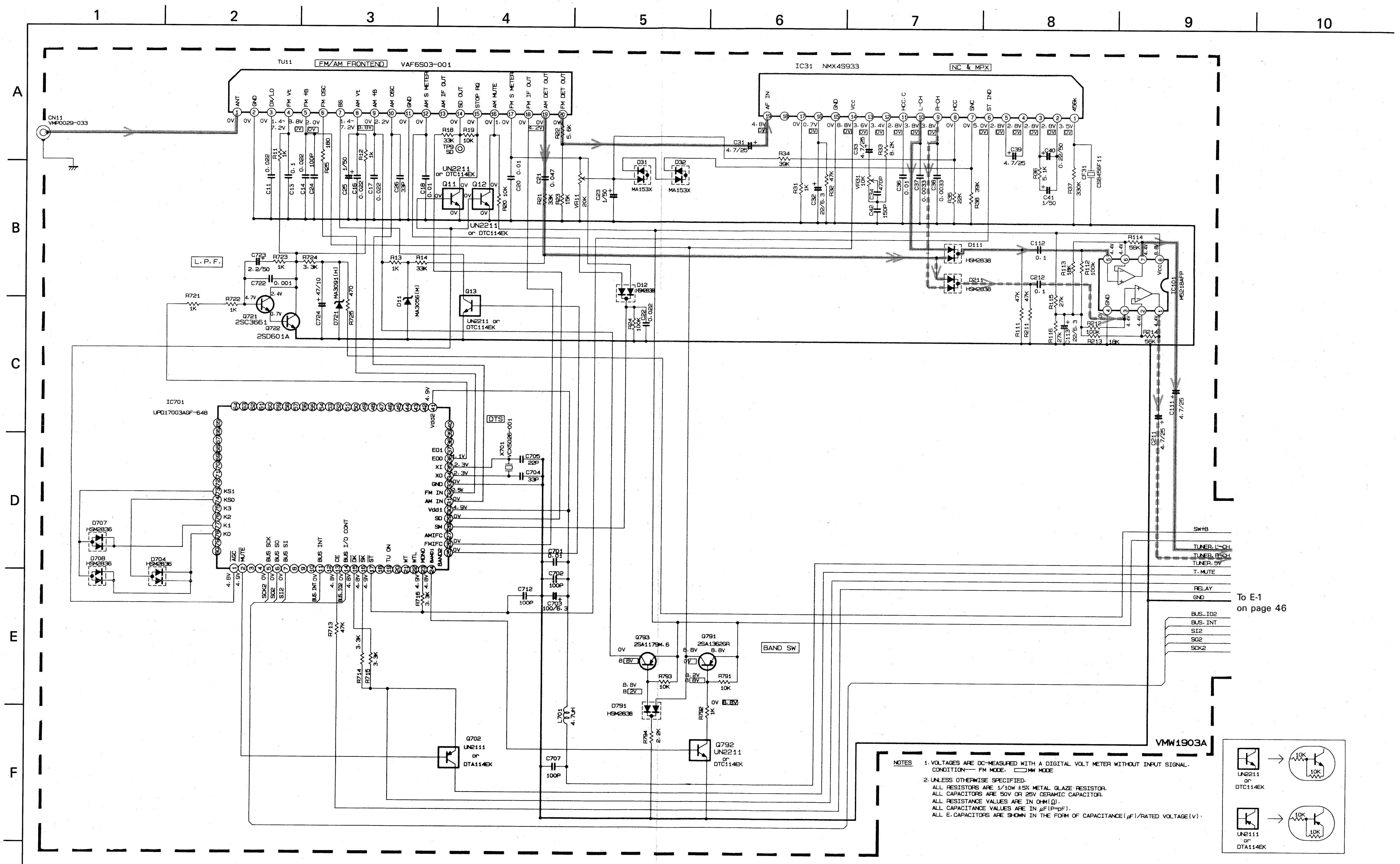
L / R — CD Signal line

L / R — Radio signal line

Fig. 7-4

JVC Note
VDH3450-003AV

■ Tuner Circuit for B/E/GI Version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A
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C
D
E
F
TU11
FM/AM FRONTEND
VAF6S03-001
ANT
GND
DX/LO
FM Vt
FM +B
FM OSC
BS
AM Vt
AM +B
AM OSC
GND
AM S METER
AM IF OUT
SD OUT
STOP RQ
AM MUTE
FM S METER
FM IF OUT
AM DET OUT
FM DET OUT
CN11
VMP0029-033
IC31 NMX4S933
NC & MPX
AF IN
GND
Vcc
HCC C
L-CH
R-CH
HCC
SNC
ST IND
456K
UN2211
or DTC114EK
Q11
Q12
TP9
SD
D31
D32
MA153X
L.P.F.
Q721
2SC3661
Q722
2SD601A
D721
MA3091(H)
D11
MA3056(H)
Q13
UN2211 or
DTC114EK
D12
HSM2838
D111
D211
HSM2838
IC101
M5218AFP
CF31
CSB456F11
IC701
UPD17003AGF-648
DTS
X701
VCX5026-001
EO1
EO0
XI
XO
GND
FM IN
AM IN
Vdd1
SD
SM
AMIFC
FMIFC
Vdd2
KS1
KS0
K3
K2
K1
K0
AGC
MUTE
BUS SCK
BUS SO
BUS SI
BUS INT
BUS I/O CONT
TU ON
MT
WTL
MONO
BAND1
BAND2
D707
HSM2836
D708
HSM2836
D704
HSM2836
Q793
2SA1179M.6
Q791
2SA1362GR
BAND SW
D791
HSM2838
L701
4.7UH
Q702
UN2111
or
DTA114EK
Q792
UN2211
or
DTC114EK
SW+B
TUNER.L-CH
TUNER.R-CH
TUNER.5V
T.MUTE
RELAY
GND
BUS.IO2
BUS.INT
SI2
SO2
SCK2
To E-1
on page 46
VMW1903A
UN2211
or
DTC114EK
10K
10K
UN2111
or
DTA114EK
10K
10K

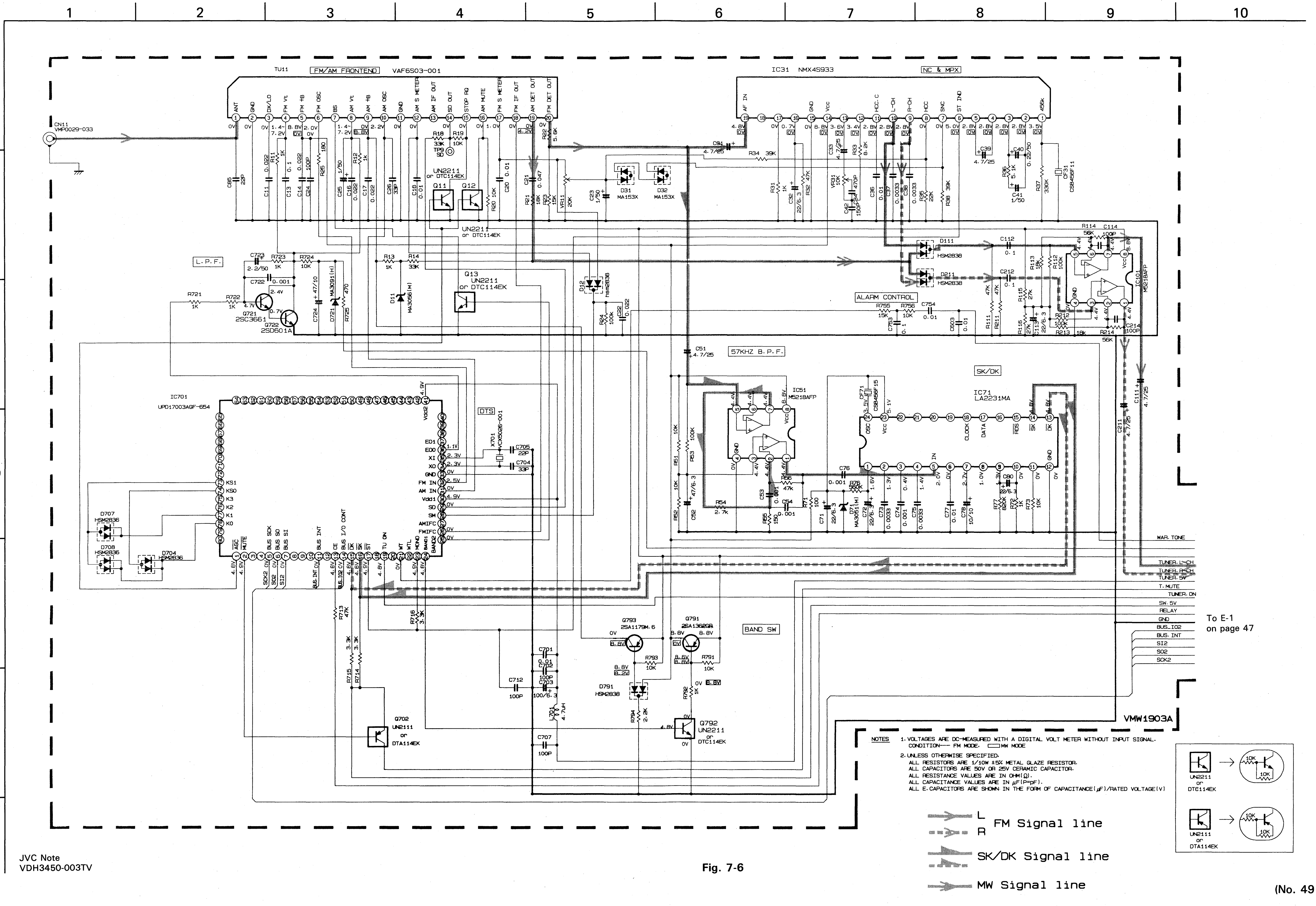
NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
CONDITION—— FM MODE. ▭ MW MODE

2. UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR.
ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITANCE VALUES ARE IN μF(P=pF).
ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE(V).

Fig. 7-5

AM Signal line
L
R FM Signal line

■ Tuner Circuit for G/GE Version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A
B
C
D
E
F
TU11 FM/AM FRONTEND VAF6S03-001
CN11 VMP0029-033
IC31 NMX4S933 NC & MPX
Q11
Q12
UN2211 or DTC114EK
Q13 UN2211 or DTC114EK
L.P.F.
Q721 2SC3661
Q722 2SD601A
D31 MA153X
D32 MA153X
D111 HSM2838
D211 HSM2838
IC101 M5218AFP
ALARM CONTROL
57KHZ B.P.F.
IC51 M5218AFP
SK/DK
IC71 LA2231MA
IC701 UPD17003AGF-654
DTS
X701 VCX5026-001
D707 HSM2836
D708 HSM2836
D704 HSM2836
Q793 2SA1179M.6
Q791 2SA1362GR
BAND SW
D791 HSM2838
Q702 UN2111 or DTA114EK
Q792 UN2211 or DTC114EK
L701 4.7uH
WAR. TONE
TUNER. L-CH
TUNER. R-CH
TUNER. 5V
T. MUTE
TUNER. ON
SW. 5V
RELAY
GND
BUS. IO2
BUS. INT
SI2
SO2
SCK2
To E-1 on page 47
VMW1903A
UN2211 or DTC114EK
UN2111 or DTA114EK
10K

NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
CONDITION---- FM MODE. ▭ MW MODE

2. UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR.
ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITANCE VALUES ARE IN μF(P=pF).
ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE(V)

L
R FM Signal line

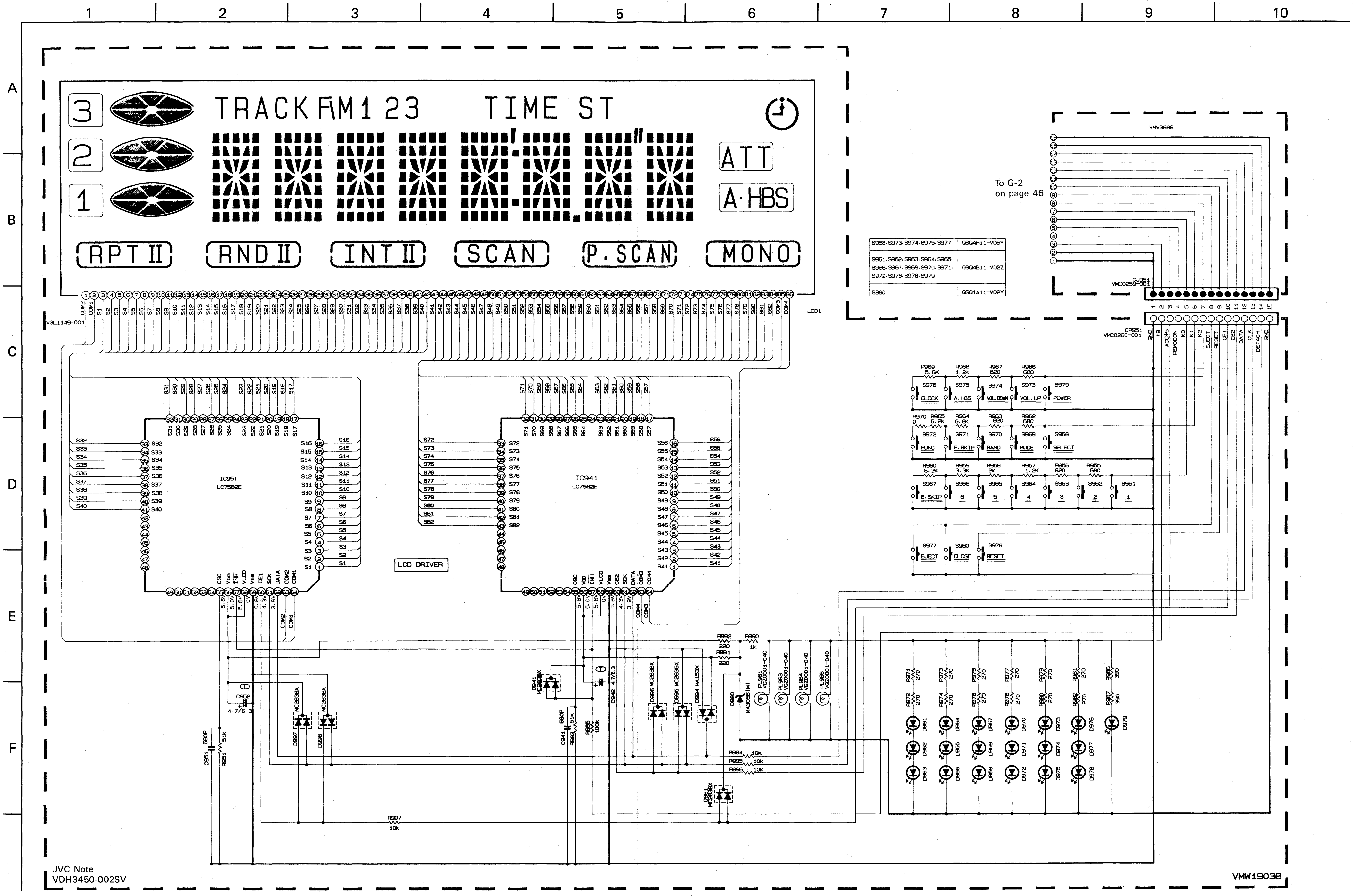
SK/DK Signal line

MW Signal line

JVC Note
VDH3450-003TV

Fig. 7-6

■ Indicator Circuit for B/E/GI Version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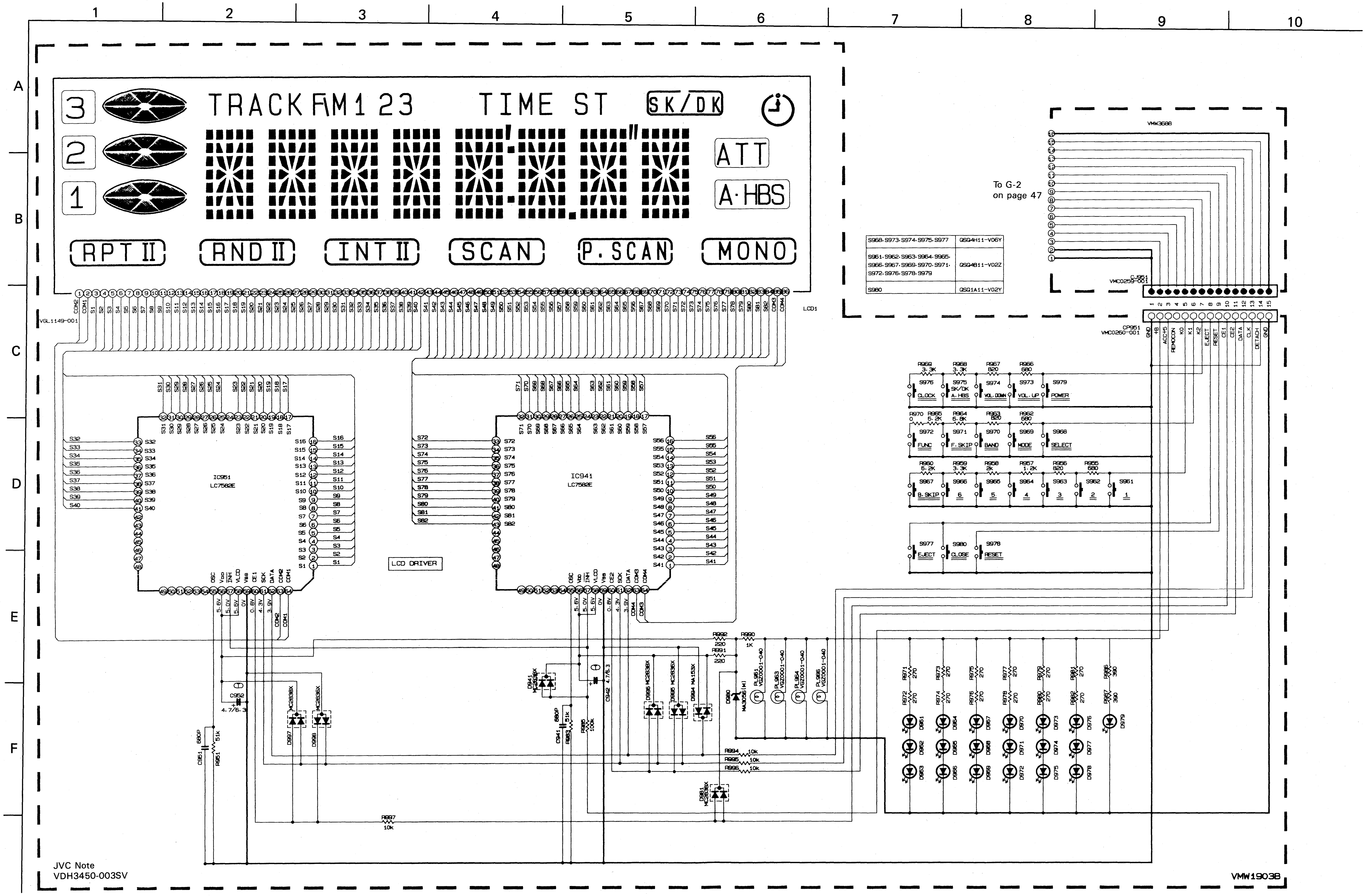
10
A
B
C
D
E
F
TRACK FM1 2 3
TIME ST
3
2
1
ATT
A·HBS
RPT II
RND II
INT II
SCAN
P.SCAN
MONO
LCD1
VGL1149-001
COM2
COM1
COM3
COM4
IC951
LC7582E
IC941
LC7582E
LCD DRIVER
OSC
VDD
INH
VLCD
Vss
CE1
CE2
SCK
DATA
5.6V
5.0V
0V
0.8V
4.3V
3.9V
To G-2
on page 46
VMW3688
CJ951
VMC0259-001
CP951
VMC0260-001
GND
+B
ACC+5
REMOCON
K0
K1
K2
EJECT
RESET
CE1
CE2
DATA
CLK
DETACH
GND
R969 5.6K
R968 1.2K
R967 820
R966 680
S976 CLOCK
S975 A.HBS
S974 VOL.DOWN
S973 VOL.UP
S979 POWER
R970 0
R965 6.2K
R964 6.8K
R963 820
R962 680
S972 FUNC
S971 F.SKIP
S970 BAND
S969 MODE
S968 SELECT
R960 6.2K
R959 3.3K
R958 2k
R957 1.2K
R956 820
R955 680
S967 B.SKIP
S966 6
S965 5
S964 4
S963 3
S962 2
S961 1
S977 EJECT
S980 CLOSE
S978 RESET
R992 220
R991 220
R990 1K
PL951 VGZ0001-040
PL963 VGZ0001-040
PL964 VGZ0001-040
PL966 VGZ0001-040
D980 MA3056(M)
D996 MC2838X
D995 MC2836X
D994 MA153X
D941 MC2838X
C942 4.7/6.3
C941 680P
R983 51k
R985 100k
R994 10k
R995 10k
R996 10k
D981 MC2838X
C952 4.7/6.3
D997 MC2838X
D998 MC2836X
C951 680P
R951 51K
R997 10k
R971 270
R972 270
R973 270
R974 270
R975 270
R976 270
R977 270
R978 270
R979 270
R980 270
R981 270
R982 270
R986 390
R987 390
D961
D962
D963
D964
D965
D966
D967
D968
D969
D970
D971
D972
D973
D974
D975
D976
D977
D978
D979
JVC Note
VDH3450-002SV
VMW1903B

S968·S973·S974·S975·S977	QSQ4H11-V06Y
S961·S962·S963·S964·S965· S966·S967·S969·S970·S971· S972·S976·S978·S979	QSQ4B11-V02Z
S980	QSQ1A11-V02Y

Fig. 7-7

■ Indicator Circuit for G/GE Version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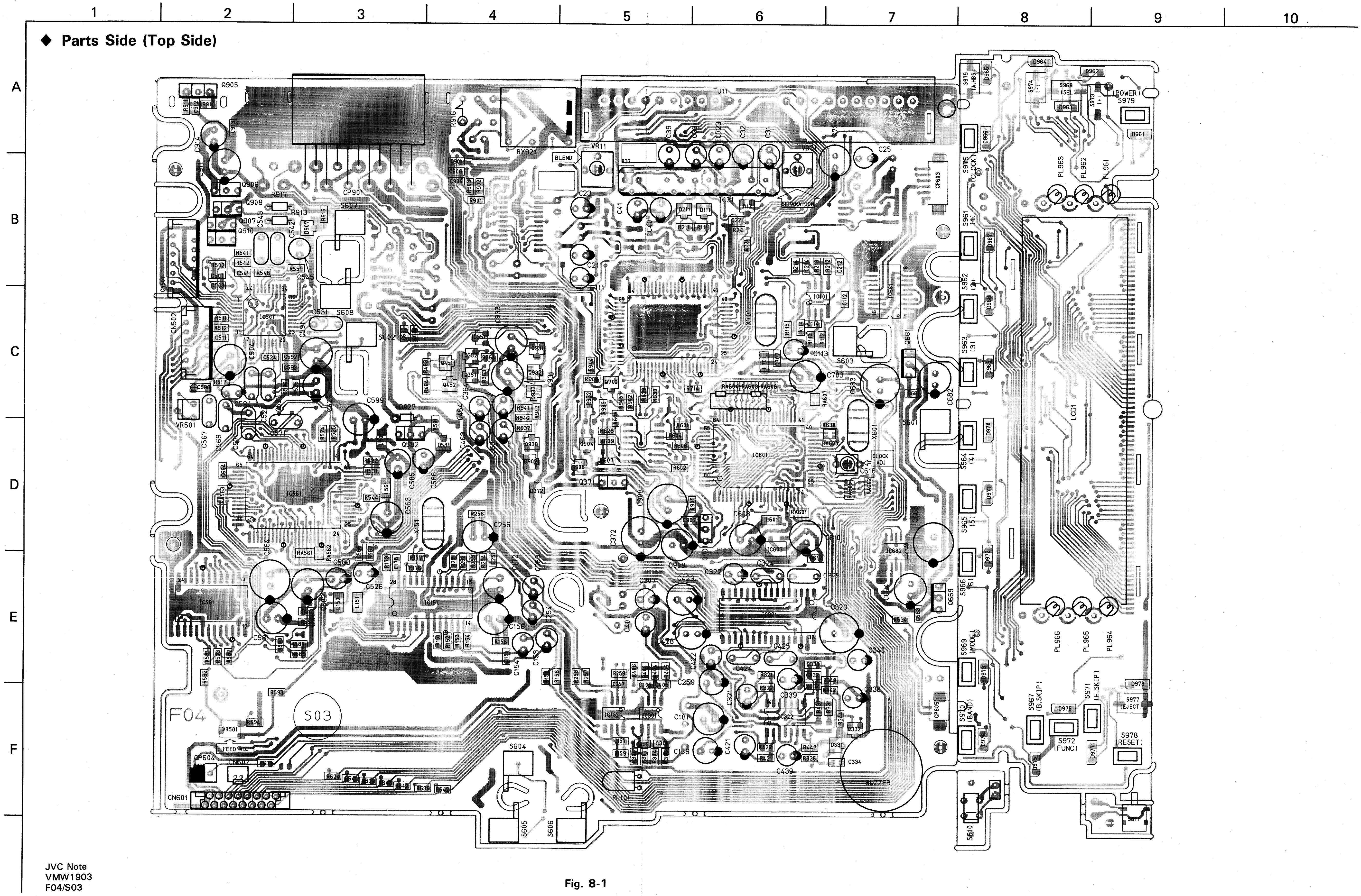
A
B
C
D
E
F
TRACK FM1 23
TIME ST
SK/DK
ATT
A·HBS
RPT II
RND II
INT II
SCAN
P.SCAN
MONO
VGL1149-001
LCD1
IC951
LC7582E
IC941
LC7582E
LCD DRIVER
To G-2
on page 47
VMW3686
CN951
VMC0259-001
CP951
VMC0260-001
GND
+B
ACC+5
REMOCON
K0
K1
K2
EJECT
RESET
CE1
CE2
DATA
CLK
DETACH
GND
S968·S973·S974·S975·S977
QSQ4H11-V06Y
S961·S962·S963·S964·S965·
S966·S967·S969·S970·S971·
S972·S976·S978·S979
QSQ4B11-V02Z
S980
QSQ1A11-V02Y
S976 CLOCK
S975 SK/DK A·HBS
S974 VOL.DOWN
S973 VOL.UP
S979 POWER
S972 FUNC
S971 F.SKIP
S970 BAND
S969 MODE
S968 SELECT
S967 B.SKIP
S966 6
S965 5
S964 4
S963 3
S962 2
S961 1
S977 EJECT
S980 CLOSE
S978 RESET
C952 4.7/6.3
C951 680P
R951 51k
D997 MC2836X
D998 MC2836X
D941 MC2836X
C941 680P
R983 51k
R985 100k
C942 4.7/6.3
D996 MC2836X
D995 MC2836X
D994 MA153X
D990 MA3056(M)
PL961 VGZ0001-040
PL963 VGZ0001-040
PL964 VGZ0001-040
PL965 VGZ0001-040
R992 220
R990 1K
R991 220
R994 10k
R995 10k
R996 10k
D981 MC2836X
R997 10k
JVC Note
VDH3450-003SV
VMW1903B

Fig. 7-8

8 Location of P.C. Board Parts and parts List for B/E/GI Version

◆ **Parts Side (Top Side)**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A
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C
D
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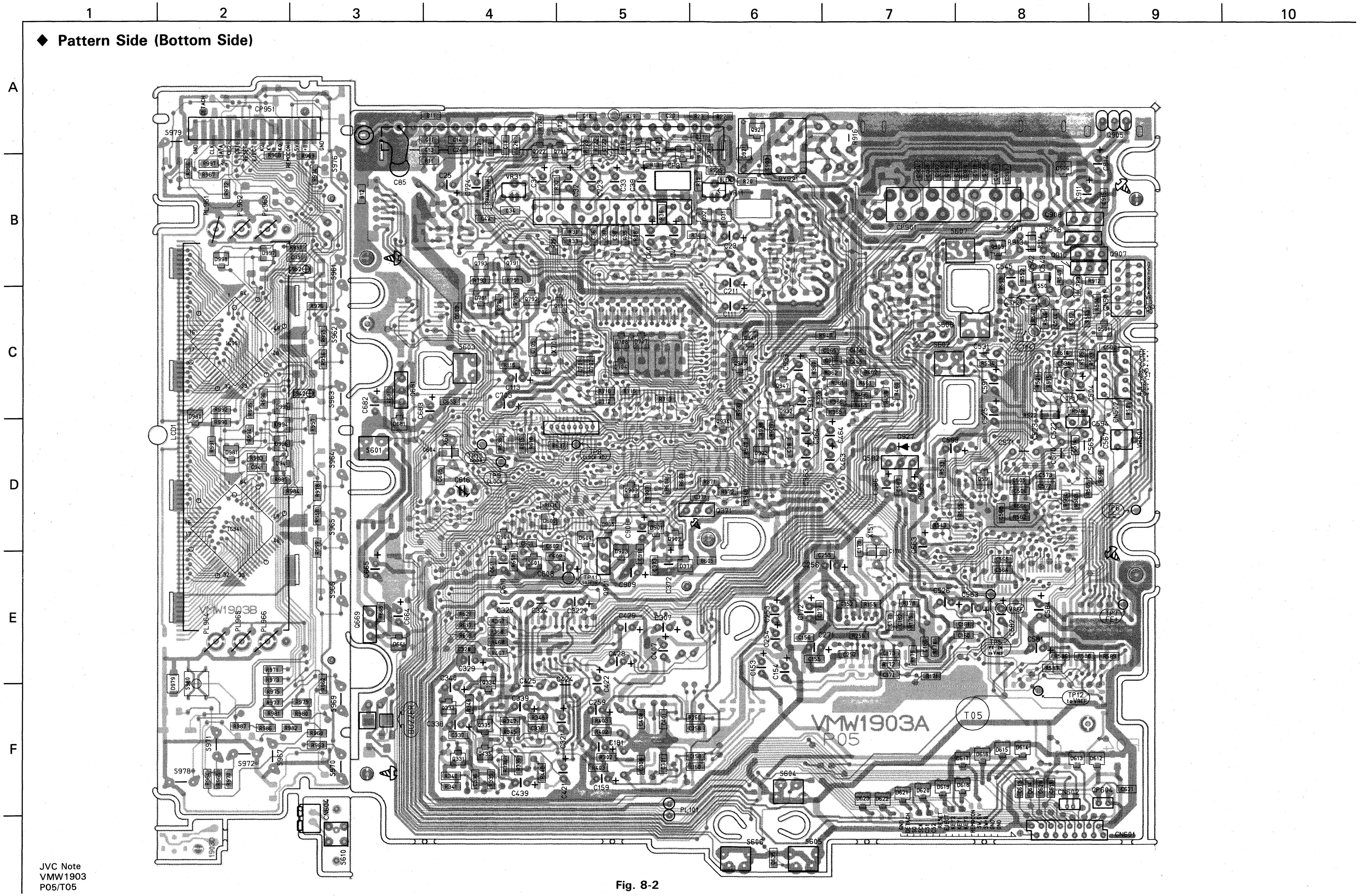
F
Q905
R911
R912
R910
C913
C914
C911
Q906
R917
Q908
R913
Q907
Q910
C543
C542
Q909
R915
S607
CP901
RY921
R916
BLEND
VR11
R37
VR31
TU11
C39
C33
C723
C32
C31
C724
C25
C23
C41
C401
D211
D111
R211
R111
D12
C22
R24
C21
C11
C12
CP603
S975 (A.HBS)
D965
D964
D962
S974
S968 (SEL)
D963
S973
(POWER)
S979
D961
D966
S976 (CLOCK)
PL963
PL962
PL961
S961 (1)
D967
S962 (2)
D968
S963 (3)
D969
S964 (4)
D970
S965 (5)
D971
S966 (6)
D972
LCD1
CN501
R541
R542
R502
R548
C541
C503
R551
C545
CN502
R511
R512
C511
IC501
C531
S608
C591
S602
R517
C524
C592
C593
C594
VR501
C567
C569
C570
C571
C599
D927
D581
Q582
C951
Q351
Q352
Q451
Q452
C933
C932
C931
C364
C464
C463
C253
R932
R936
R938
Q921
Q922
Q371
IC561
RA561
C562
C563
X151
R256
C256
C372
C908
C909
C907
Q901
C608
L601
IC603
C610
R612
IC101
X101
IC701
R716
RA604
RA603
RA606
C703
C683
C681
Q681
S603
C113
C682
C661
S601
X601
IC601
CLOCK ADJ
C616
RA601
RA602
C665
IC682
C684
Q669
R632
C584
C581
C582
C583
IC581
C593
C526
IC151
C172
C253
C254
C158
C154
C153
C156
C307
C429
C322
C324
C325
IC321
C329
C348
C338
C407
C428
C425
C424
C422
C259
C321
C339
C333
C332
C181
C189
C421
C439
C334
C331
IC152
IC301
IC322
BUZZER
PL101
S969 (MODE)
D973
S970 (BAND)
D974
CP605
S967 (B.SKIP)
D975
S971 (F.SKIP)
S972 (FUNC)
D976
D977
D978
S977 (EJECT)
S978 (RESET)
D979
PL966
PL965
PL964
F04
S03
VR581
FEED ADJ
CP604
CN602
CN601
S604
S605
S606
S610
S611
R593
R594
R621
R641
R642

JVC Note
VMW1903
F04/S03

Fig. 8-1

■ Main Board Parts for B/E/GI Version

◆ Pattern Side (Bottom Side)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A
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CP951
DETACH
S979
PL961
PL962
PL963
IC951
IC941
LCD1
VMW1903B
PL964
PL965
PL966
S978
S971
S972
S957
S970
S961
S962
S963
S964
S965
S966
S969
S976
CN603
S610
C85
VR31
X701
S603
S601
BUZZER
TP10
TP9 CLOCK
TP8 CLOCK
TP11
RY921
VR11
CP901
Q905
Q906
Q907
Q908
Q910
S607
S608
S602
TP2
TP1
TP6
TP3
TP7 FE1
TP12 to VREF
VMW1903A
P05
T05
PL101
S604
S605
S606
CN601
CN602
CP604
D927
Q502
Q371
C153
C154
C257
C259
C181
C159
C421
C439
C338
C348
C325
C324
C322
C422
C428
C429
C407
C307
C372
C909
C608
C682
C683
C684
C665
C664
Q669

JVC Note
VMW1903
P05/T05

Fig. 8-2

● Main board parts list for B/E/GI version

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	B 11	NRSA02J-0RONY	MG RESISTOR	5% 1/10W	
	B 12	NRSA02J-0RONY	MG RESISTOR	5% 1/10W	
	B 603	NRSA02J-0RONY	MG RESISTOR	5% 1/10W	
	B 604	NRSA02J-0RONY	MG RESISTOR	5% 1/10W	
	C 11	NCB21HK-223AY	C CAPACITOR	.022MF 10% 25V	
	C 13	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 14	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V	
	C 16	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V	
	C 17	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V	
	C 18	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 20	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 21	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 22	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V	
	C 23	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 24	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 25	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 26	NCS21HJ-330AY	C CAPACITOR	33PF 5% 50V	
	C 31	QER41EM-475VM	E.CAPACITOR	4.7MF 20% 25V	
	C 32	QER40JM-226	E.CAPACITOR	22MF 20% 6.3V	
	C 33	QER41EM-475VM	E.CAPACITOR	4.7MF 20% 25V	
	C 34	NCS21HJ-471AY	C CAPACITOR	470PF 5% 50V	
	C 36	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 37	NCB21HK-332AY	C CAPACITOR	3300PF 10% 50V	
	C 38	NCB21HK-332AY	C CAPACITOR	3300PF 10% 50V	
	C 39	QER41EM-475VM	E.CAPACITOR	4.7MF 20% 25V	
	C 40	QER41HM-224VS	E.CAPACITOR	.22MF 20% 50V	
	C 41	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 42	NCS21HJ-151AY	C CAPACITOR	150PF 5% 50V	
	C 85	QCS11HJ-220	C.CAPACITOR	22PF 5% 50V	
	C 111	QER41EM-475VM	E.CAPACITOR	4.7MF 20% 25V	
	C 112	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 113	QER40JM-226	E.CAPACITOR	22MF 20% 6.3V	
	C 114	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 151	NCS21HJ-181AY	C CAPACITOR	180PF 5% 50V	
	C 152	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 153	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 154	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 155	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 156	QERF0JM-107ZN	E.CAPACITOR	100MF 20% 6.3V	
	C 157	NCS21HJ-151AY	C CAPACITOR	150PF 5% 50V	
	C 158	NCS21HJ-151AY	C CAPACITOR	150PF 5% 50V	
	C 159	QERF0JM-476ZN	E.CAPACITOR	47MF 20% 6.3V	
	C 160	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 161	NCS21HJ-150AY	C.CAPACITOR	15PF 5% 50V	
	C 171	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 172	QERF0JM-107ZN	E.CAPACITOR	100MF 20% 6.3V	
	C 173	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 174	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 175	NCS21HD-7R0AY	C CAPACITOR	7.0PF 50V	
	C 176	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 177	NCS21HJ-270AY	C.CAPACITOR	27PF 5% 50V	
	C 178	NCS21HJ-120AY	C CAPACITOR	12PF 5% 50V	
	C 179	NCS21HJ-5R0	C CAPACITOR	5.0PF 50V	
	C 180	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V	
	C 181	QERF1AM-476ZN	E.CAPACITOR	47MF 20% 10V	

● Main board parts list for B/E/GI version

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 211	QER41EM-475VM	E.CAPACITOR	4.7MF 20% 25V	
	C 212	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 214	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 251	NCS21HJ-181AY	C CAPACITOR	180PF 5% 50V	
	C 252	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 253	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 254	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 255	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 256	QERF0JM-107ZN	E.CAPACITOR	100MF 20% 6.3V	
	C 257	NCS21HJ-151AY	C CAPACITOR	150PF 5% 50V	
	C 258	NCS21HJ-151AY	C CAPACITOR	150PF 5% 50V	
	C 259	QERF0JM-476ZN	E.CAPACITOR	47MF 20% 6.3V	
	C 271	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 301	NCS21HJ-102AY	C CAPACITOR	1000PF 5% 50V	
	C 305	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 306	NCS21HJ-121AY	C.CAPACITOR	120PF 5% 50V	
	C 307	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 308	NCB21HK-272AY	C CAPACITOR	2700PF 10% 50V	
	C 321	QER41CM-106	E.CAPACITOR	10MF 20% 16V	
	C 322	QER41CM-106	E.CAPACITOR	10MF 20% 16V	
	C 324	QFV41HJ-333	FILM CAPACITOR	.033MF 5% 50V	
	C 325	QFLA1HJ-562ZM	M.CAPACITOR	5600PF 5% 50V	
	C 328	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 329	QERF1AM-227ZM	E.CAPACITOR	220MF 20% 10V	
	C 331	NCB21HK-273AY	C CAPACITOR	.027MF 10% 25V	
	C 332	NCB21EK-563AY	C CAPACITOR	.056MF 10% 25V	
	C 333	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 334	NCB21EK-393AY	C CAPACITOR	.039MF 10% 25V	
	C 336	NCB21EK-393AY	C CAPACITOR	.039MF 10% 25V	
	C 337	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 338	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 339	QER41CM-106	E.CAPACITOR	10MF 20% 16V	
	C 340	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 363	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 364	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 365	NCS21HJ-471AY	C CAPACITOR	470PF 5% 50V	
	C 366	NCS21HJ-471AY	C CAPACITOR	470PF 5% 50V	
	C 367	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 368	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 369	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 371	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 372	QERF1AM-227ZM	E.CAPACITOR	220MF 20% 10V	
	C 373	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 401	NCS21HJ-102AY	C CAPACITOR	1000PF 5% 50V	
	C 405	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 406	NCS21HJ-121AY	C.CAPACITOR	120PF 5% 50V	
	C 407	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 408	NCB21HK-272AY	C CAPACITOR	2700PF 10% 50V	
	C 421	QER41CM-106	E.CAPACITOR	10MF 20% 16V	
	C 422	QER41CM-106	E.CAPACITOR	10MF 20% 16V	
	C 424	QFV41HJ-333	FILM CAPACITOR	.033MF 5% 50V	
	C 425	QFLA1HJ-562ZM	M.CAPACITOR	5600PF 5% 50V	
	C 428	QER41CM-476M	E.CAPACITOR	47MF 20% 16V	
	C 429	QERF0JM-107ZN	E.CAPACITOR	100MF 20% 6.3V	
	C 439	QER41CM-106	E.CAPACITOR	10MF 20% 16V	

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⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 463	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 464	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 465	NCS21HJ-471AY	C CAPACITOR	470PF 5% 50V	
	C 466	NCS21HJ-471AY	C CAPACITOR	470PF 5% 50V	
	C 467	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 468	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 501	NCT21CH-471AY	C CAPACITOR	470PF +50:-10%	
	C 502	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 503	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 504	QER41AM-107	E.CAPACITOR	100MF 20% 10V	
	C 505	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 506	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 511	NCS21HC-4R0AY	C CAPACITOR	4.0PF 50V	
	C 512	NCT21CH-680	C CAPACITOR	68PF +50:-10% 1	
	C 513	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 514	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 522	QFV41HJ-223	FILM CAPACITOR	.022MF 5% 50V	
	C 523	QFV41HJ-104	FILM CAPACITOR	.10MF 5% 50V	
	C 524	NCS21HJ-681AY	C CAPACITOR	680PF 5% 50V	
	C 525	QER41AM-336	E.CAPACITOR	33MF 20% 10V	
	C 526	QER41HM-225	E.CAPACITOR	2.2MF 20% 50V	
	C 531	QFLA1HJ-822ZM	M.CAPACITOR	8200PF 5% 50V	
	C 541	NCS21HJ-181AY	C CAPACITOR	180PF 5% 50V	
	C 542	QFV41HJ-123	FILM CAPACITOR	.012MF 5% 50V	
	C 543	QFV81HJ-473	FILM CAPACITOR	.047MF 5% 50V	
	C 544	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 545	QEPJ1HM-105ZM	NP.E.CAPACITOR	1.0MF 20% 50V	
	C 563	QER41AM-107	E.CAPACITOR	100MF 20% 10V	
	C 564	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 565	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 566	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 567	QFV71HJ-103	FILM CAPACITOR	.010MF 5% 50V	
	C 568	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 569	QFV71HJ-103	FILM CAPACITOR	.010MF 5% 50V	
	C 570	QFLA1HJ-332ZM	M.CAPACITOR	3300PF 5% 50V	
	C 571	QFLA1HJ-332ZM	M.CAPACITOR	3300PF 5% 50V	
	C 572	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 573	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 581	QERF0GM-227ZM	E.CAPACITOR	220MF 20%	
	C 582	QERF1AM-476ZN	E.CAPACITOR	47MF 20% 10V	
	C 583	QER41EM-475VM	E.CAPACITOR	4.7MF 20% 25V	
	C 584	QERF1AM-227ZM	E.CAPACITOR	220MF 20% 10V	
	C 585	QERF0JM-476ZN	E.CAPACITOR	47MF 20% 6.3V	
	C 586	QER41EM-475VM	E.CAPACITOR	4.7MF 20% 25V	
	C 587	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 591	QER41AM-107	E.CAPACITOR	100MF 20% 10V	
	C 592	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 593	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 594	QEE40JM-106B	TS.E.CAPACITOR	10MF 20% 6.3V	
	C 596	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 598	NEF20JM-475RY	TS.E.CAPACITOR	4.7MF 20% 6.3V	
	C 599	QER41AM-107	E.CAPACITOR	100MF 20% 10V	
	C 601	NCB21HK-222AY	C CAPACITOR	2200PF 10% 50V	
	C 602	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 604	NCT21CH-120AY	C CAPACITOR	12PF +50:-10% 1	

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⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 605	NCT21CH-7R0AY	C CAPACITOR	7.0PF +50:-10%	
	C 608	QERF1AM-227ZM	E.CAPACITOR	220MF 20% 10V	
	C 609	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 610	QERF1AM-476ZN	E.CAPACITOR	47MF 20% 10V	
	C 611	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 613	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 614	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 615	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	C 616	QAT3722-100M	T.CAPACITOR		
	C 620	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W OK	
	C 621	NCB21HK-333AY	C CAPACITOR	.033MF 10% 50V	
	C 663	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 664	QER41AM-107	E.CAPACITOR	100MF 20% 10V	
	C 665	QERF1AM-227ZM	E.CAPACITOR	220MF 20% 10V	
	C 681	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 682	QER41AM-107	E.CAPACITOR	100MF 20% 10V	
	C 683	QERF1AM-227ZM	E.CAPACITOR	220MF 20% 10V	
	C 694	NCB21HK-332AY	C CAPACITOR	3300PF 10% 50V	
	C 701	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 702	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 703	QERF0JM-107ZN	E.CAPACITOR	100MF 20% 6.3V	
	C 704	NCT21CH-330AY	C CAPACITOR	33PF +50:-10% 1	
	C 705	NCT21CH-220AY	C CAPACITOR	22PF +50:-10% 1	
	C 707	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 712	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 722	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
	C 723	QER41HM-225	E.CAPACITOR	2.2MF 20% 50V	
	C 724	QERF1AM-476ZN	E.CAPACITOR	47MF 20% 10V	
	C 901	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 902	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 903	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 904	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 905	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 906	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 907	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 908	QERF1CM-107ZM	E.CAPACITOR	100MF 20% 16V	
	C 909	QER41AM-107	E.CAPACITOR	100MF 20% 10V	
	C 910	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 911	QER41AM-107	E.CAPACITOR	100MF 20% 10V	
	C 912	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 913	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 914	QER41CM-226VM	E.CAPACITOR	22MF 20% 16V	
	C 915	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 931	QER41CM-476M	E.CAPACITOR	47MF 20% 16V	
	C 933	QER41CM-476M	E.CAPACITOR	47MF 20% 16V	
	C 941	NCS21HJ-681AY	C CAPACITOR	680PF 5% 50V	
	C 942	NEF20JM-475RY	TS.E.CAPACITOR	4.7MF 20% 6.3V	
	C 951	NCS21HJ-681AY	C CAPACITOR	680PF 5% 50V	
	C 952	NEF20JM-475RY	TS.E.CAPACITOR	4.7MF 20% 6.3V	
	CF 31	CSB456F11	CERA LOCK		
	CN501	VMC0272-011	CONNECTOR		
	CN502	VMC0272-010	CONNECTOR		
	CN601	VMC0125-016	CONNECTOR		
	CN602	VMC0293-002	CONNECTOR		
	CN604	VMC0063-002	CONNECTOR		

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⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	CP603	VMC0294-R06Y	CONNECTOR		
	CP605	VMC0294-R02Y	CONNECTOR		
	CP901	VGZ0007-033	FEED THROUGH		
	CP951	VMC0259-001	CONNECTOR		
	D 11	MA3056	ZENER DIODE		
	D 12	HSM2838C	DIODE		
	D 31	MA153	DIODE		
	D 32	MA153	DIODE		
	D 111	HSM2838C	DIODE		
	D 211	HSM2838C	DIODE		
	D 331	MA716X	S.B.DIODE	DUAL TYPE	
	D 351	HSM2836C	DIODE		
	D 371	MA3110(M)	ZENER DIODE		
	D 372	HSM2836C	DIODE		
	D 581	MA3056	ZENER DIODE		
	D 601	HSM2836C	DIODE		
	D 602	HSM2836C	DIODE		
	D 604	HSM2838C	DIODE		
	D 612	MA3062(M)	ZENER DIODE		
	D 613	MA3062(M)	ZENER DIODE		
	D 614	MA3062(M)	ZENER DIODE		
	D 615	MA3062(M)	ZENER DIODE		
	D 616	MA3062(M)	ZENER DIODE		
	D 617	MA3062(M)	ZENER DIODE		
	D 618	MA3062(M)	ZENER DIODE		
	D 619	MA3062(M)	ZENER DIODE		
	D 620	MA3062(M)	ZENER DIODE		
	D 621	MA3062(M)	ZENER DIODE		
	D 622	MA3062(M)	ZENER DIODE		
	D 623	MA3062(M)	ZENER DIODE		
	D 661	MA3062(M)	ZENER DIODE		
	D 681	MA3075(H)	ZENER DIODE		
	D 704	HSM2836C	DIODE		
	D 707	HSM2836C	DIODE		
	D 708	HSM2836C	DIODE		
	D 721	MA3091(H)	ZENER DIODE		
	D 791	HSM2838C	DIODE		
	D 901	HSM2836C	DIODE		
	D 902	MA3056	ZENER DIODE		
	D 903	MA3062(M)	ZENER DIODE		
	D 904	HSM2836C	DIODE		
	D 905	HSM2836C	DIODE		
	D 906	MA3091(H)	ZENER DIODE		
	D 907	HSM2838C	DIODE		
	D 908	HSM2838C	DIODE		
	D 921	HSM2836C	DIODE		
	D 927	DSK10C-E	DIODE		
	D 932	MA3091(H)	ZENER DIODE		
	D 933	HSM2838C	DIODE		
	D 941	HSM2838C	DIODE		
	D 947	HSM2838C	DIODE		
	D 961	LN1351C	LED		
	D 962	LN1351C	LED		
	D 963	LN1351C	LED		
	D 964	LN1351C	LED		

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⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	D 965	LN1351C	LED		
	D 966	LN1351C	LED		
	D 967	LN1351C	LED		
	D 968	LN1351C	LED		
	D 969	LN1351C	LED		
	D 970	LN1351C	LED		
	D 971	LN1351C	LED		
	D 972	LN1351C	LED		
	D 973	LN1351C	LED		
	D 974	LN1351C	LED		
	D 975	LN1351C	LED		
	D 976	LN1351C	LED		
	D 977	LN1351C	LED		
	D 978	LN1351C	LED		
	D 979	LN1461C	LED		
	D 980	MA3056	ZENER DIODE		
	D 981	HSM2838C	DIODE		
	D 994	MA153	DIODE		
	D 995	HSM2836C	DIODE		
	D 996	HSM2838C	DIODE		
	D 997	HSM2838C	DIODE		
	D 998	HSM2836C	DIODE		
	IC 31	NMX4S933	IC	NC/MPX	
	IC101	M5218AFP	IC	BUFFER	
	IC151	MN35500	IC	D/A CONVERTER	
	IC152	M5218AFP	IC	CD SIG BUFFER	
	IC301	M5218AFP	IC	CD SIG AMP	
	IC321	TEA6320T	IC	E VOLUME	
	IC322	M5228FP	IC	A HBS AMP	
	IC501	TA8191F	IC	CD SIG RF AMP	
	IC561	TC9236AF	IC	DATA/SERVO PROC	
	IC581	AN8388S-E1	IC	SERVO DRIVER	
	IC601	UPD78044GF-073	IC	SYSTEM CONTROL	
	IC603	PST529GM-T	IC	RESET	
	IC681	LB1831M-TPT1	IC	UP-DOWN CLOSE	
	IC682	LB1635M-TPT1	IC	OPEN CLOSE	
	IC701	UPD17003AGF-648	IC	DTS	
	IC941	LC7582E	IC	LCD DRIVER	
	IC951	LC7582E	IC	LCD DRIVER	
	L 151	VQP1005-4R7	INDUCTOR		
	L 152	VQP1005-4R7	INDUCTOR		
	L 501	VQP1005-4R7	INDUCTOR		
	L 561	VQP1005-4R7	INDUCTOR		
	L 601	VQP1006-270	INDUCTOR		
	L 701	VQP1005-4R7	INDUCTOR		
	PL101	VGZ0001-056	LAMP		
	PL961	VGZ0001-040	LAMP		
	PL963	VGZ0001-040	LAMP		
	PL964	VGZ0001-040	LAMP		
	PL966	VGZ0001-040	LAMP		
	Q 11	UN2211	TRANSISTOR		
	Q 12	UN2211	TRANSISTOR		
	Q 13	UN2211	TRANSISTOR		
	Q 331	2SD601A(R)	TRANSISTOR		
	Q 332	2SD601A(R)	TRANSISTOR		

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	Q 333	2SD601A(R)	TRANSISTOR		
	Q 334	UN2211	TRANSISTOR		
	Q 335	2SD601A(R)	TRANSISTOR		
	Q 351	2SD601A(R)	TRANSISTOR		
	Q 352	2SD601A(R)	TRANSISTOR		
	Q 371	2SD1994(R,S)	TRANSISTOR		
	Q 435	2SD601A(R)	TRANSISTOR		
	Q 451	2SD601A(R)	TRANSISTOR		
	Q 452	2SD601A(R)	TRANSISTOR		
	Q 501	2SA1179(M6M7)HL	TRANSISTOR		
	Q 582	2SD1994(R,S)	TRANSISTOR		
	Q 591	2SA1179(M6M7)HL	TRANSISTOR		
	Q 669	2SD1994(R,S)	TRANSISTOR		
	Q 681	2SD1994(R,S)	TRANSISTOR		
	Q 702	UN2111	TRANSISTOR		
	Q 721	2SC3661	TRANSISTOR		
	Q 722	2SD601A(R)	TRANSISTOR		
	Q 791	2SA1362GR	TRANSISTOR		
	Q 792	UN2211	TRANSISTOR		
	Q 793	2SA1179(M6M7)HL	TRANSISTOR		
	Q 901	2SD1994(R,S)	TRANSISTOR		
	Q 902	2SD601A(R)	TRANSISTOR		
	Q 903	2SA1179(M6M7)HL	TRANSISTOR		
	Q 904	2SD601A(R)	TRANSISTOR		
	Q 905	2SB941A(P,Q)	TRANSISTOR		
	Q 906	2SD1994(R,S)	TRANSISTOR		
	Q 907	2SB1322(RS)	TRANSISTOR		
	Q 908	2SB1322(RS)	TRANSISTOR		
	Q 909	UN2211	TRANSISTOR		
	Q 910	2SB1322(RS)	TRANSISTOR		
	Q 921	UN2214X	TRANSISTOR		
	Q 931	UN2111	TRANSISTOR		
	Q 932	2SD601A(R)	TRANSISTOR		
	Q 933	UN2111	TRANSISTOR		
	Q 934	2SA1179(M6M7)HL	TRANSISTOR		
	Q 938	UN2111	TRANSISTOR		
	Q 941	UN2211	TRANSISTOR		
	Q 942	UN2211	TRANSISTOR		
	R 11	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 12	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 13	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 14	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 15	NRSA02J-0R0NY	MG RESISTOR	5% 1/10W	
	R 18	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 19	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 20	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 21	NRSA02J-183NY	MG RESISTOR	18K 5% 1/10W	
	R 22	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
	R 23	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
	R 24	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
	R 25	NRSA02J-181NY	MG RESISTOR	180 5% 1/10W	
	R 31	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 32	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 33	NRSA02J-822NY	MG RESISTOR	8.2K 5% 1/10W	
	R 34	NRSA02J-393NY	MG RESISTOR	39K 5% 1/10W	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 35	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 36	NRSA02J-512NY	MG RESISTOR	5.1K 5% 1/10W	
	R 37	NRSA02J-334NY	MG RESISTOR	330K 5% 1/10W	
	R 38	NRSA02J-393NY	MG RESISTOR	39K 5% 1/10W	
	R 111	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 112	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
	R 113	NRSA02J-183NY	MG RESISTOR	18K 5% 1/10W	
	R 114	NRSA02J-563NY	MG RESISTOR	56K 5% 1/10W	
	R 115	NRSA02J-273NY	MG RESISTOR	27K 5% 1/10W	
	R 116	NRSA02J-273NY	MG RESISTOR	27K 5% 1/10W	
	R 151	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 152	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 153	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 154	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 155	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 156	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 157	NRSA02J-563NY	MG RESISTOR	56K 5% 1/10W	
	R 158	NRSA02J-563NY	MG RESISTOR	56K 5% 1/10W	
	R 159	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 160	NRSA02J-273NY	MG RESISTOR	27K 5% 1/10W	
	R 171	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 172	NRSA02J-270NY	MG RESISTOR	27 5% 1/10W	
	R 173	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 174	NRSA02J-560NY	MG RESISTOR	56 5% 1/10W	
	R 175	NRSA02J-122NY	MG RESISTOR	1.2K 5% 1/10W	
	R 176	NRSA02J-155NY	MG RESISTOR	1.5M 5% 1/10W	
	R 177	NRSA02J-330NY	MG RESISTOR	33 5% 1/10W	
	R 178	NRSA02J-221NY	MG RESISTOR	220 5% 1/10W	
	R 211	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 212	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
	R 213	NRSA02J-183NY	MG RESISTOR	18K 5% 1/10W	
	R 214	NRSA02J-563NY	MG RESISTOR	56K 5% 1/10W	
	R 251	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 252	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 253	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 254	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 255	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 256	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 257	NRSA02J-563NY	MG RESISTOR	56K 5% 1/10W	
	R 258	NRSA02J-563NY	MG RESISTOR	56K 5% 1/10W	
	R 259	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 260	NRSA02J-273NY	MG RESISTOR	27K 5% 1/10W	
	R 301	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
	R 302	NRSA02J-273NY	MG RESISTOR	27K 5% 1/10W	
	R 303	NRSA02J-273NY	MG RESISTOR	27K 5% 1/10W	
	R 304	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
	R 305	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 306	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
	R 321	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 322	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 331	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W	
	R 332	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 334	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W	
	R 335	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W	
	R 336	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 339	NRSA02J-475NY	MG RESISTOR	4.7M 5% 1/10W	
	R 340	NRSA02J-475NY	MG RESISTOR	4.7M 5% 1/10W	
	R 341	NRSA02J-475NY	MG RESISTOR	4.7M 5% 1/10W	
	R 342	NRSA02J-272NY	MG RESISTOR	2.7K 5% 1/10W	
	R 343	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 344	NRSA02J-105NY	MG RESISTOR	1.0M 5% 1/10W	
	R 345	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
	R 346	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 347	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 348	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
	R 359	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 360	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 361	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 362	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 363	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 364	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 365	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 366	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 367	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W	
	R 368	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W	
	R 371	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 372	NRSA02J-100NY	MG RESISTOR	10 5% 1/10W	
	R 401	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
	R 402	NRSA02J-273NY	MG RESISTOR	27K 5% 1/10W	
	R 403	NRSA02J-273NY	MG RESISTOR	27K 5% 1/10W	
	R 404	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
	R 405	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 406	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
	R 421	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 422	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 431	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W	
	R 447	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 448	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
	R 459	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 460	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 461	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 462	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 463	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 464	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 465	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 466	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 467	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W	
	R 468	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W	
	R 501	NRSA02J-124NY	MG RESISTOR	120K 5% 1/10W	
	R 502	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 503	NRSA02J-470NY	MG RESISTOR	47 5% 1/10W	
	R 504	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 505	NRSA02J-470NY	MG RESISTOR	47 5% 1/10W	
	R 511	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
	R 512	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 513	NRSA02J-152NY	MG RESISTOR	1.5K 5% 1/10W	
	R 514	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 515	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 516	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 517	NRSA02J-202NY	CARBON RESISTOR	2.0K 5% 1/10W	

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⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 521	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W	
	R 522	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 523	NRSA02J-221NY	MG RESISTOR	220 5% 1/10W	
	R 524	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 525	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 526	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
	R 531	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 532	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
	R 533	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
	R 534	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W	
	R 541	NRSA02J-273NY	MG RESISTOR	27K 5% 1/10W	
	R 542	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 543	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 544	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 546	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 547	NRSA02J-272NY	MG RESISTOR	2.7K 5% 1/10W	
	R 548	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
	R 549	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 550	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
	R 551	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 552	NRSA02J-822NY	MG RESISTOR	8.2K 5% 1/10W	
	R 553	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 555	NRSA02J-225NY	MG RESISTOR	2.2M 5% 1/10W	
	R 556	NRSA02J-225NY	MG RESISTOR	2.2M 5% 1/10W	
	R 561	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 562	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 563	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W	
	R 564	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 565	NRSA02J-225NY	MG RESISTOR	2.2M 5% 1/10W	
	R 566	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 567	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 581	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
	R 582	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
	R 583	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 584	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 585	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 586	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 587	NRSA02J-184NY	MG RESISTOR	180K 5% 1/10W	
	R 588	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
	R 589	NRSA02J-682NY	MG RESISTOR	6.8K 5% 1/10W	
	R 590	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
	R 591	NRSA02J-221NY	MG RESISTOR	220 5% 1/10W	
	R 592	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
	R 593	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 594	NRSA02J-681NY	MG RESISTOR	680 5% 1/10W	
	R 601	NRSA02J-334NY	MG RESISTOR	330K 5% 1/10W	
	R 602	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 604	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 606	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 607	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 608	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 609	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 612	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 615	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 617	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 619	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 621	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 624	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 628	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 629	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 630	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 631	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 632	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 633	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 634	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 636	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 637	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 638	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
	R 639	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 640	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 641	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 642	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 643	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 651	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 665	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 681	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 713	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 714	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 715	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 716	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 721	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 722	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 723	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 724	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 725	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 791	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 792	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 793	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 794	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 901	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 902	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 903	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 904	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 905	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
	R 907	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 908	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 910	NRSA02J-100NY	MG RESISTOR	10 5% 1/10W	
	R 911	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 912	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 913	QRD14DJ-391X	CARBON RESISTOR	390 5% 1/4W	
	R 914	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 915	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 916	QRX01DJ-R47X	M.F.RESISTOR	5% 1/1W	
	R 917	QRD14DJ-391X	CARBON RESISTOR	390 5% 1/4W	
	R 932	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 933	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 935	NRSA02J-563NY	MG RESISTOR	56K 5% 1/10W	
	R 937	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 938	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
	R 939	NRSA02J-152NY	MG RESISTOR	1.5K 5% 1/10W	

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⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 940	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 941	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 942	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 943	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 944	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 945	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 946	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 947	NRSA02J-100NY	MG RESISTOR	10 5% 1/10W	
	R 948	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 951	NRSA02J-513NY	MG RESISTOR	51K 5% 1/10W	
	R 955	NRSA02J-681NY	MG RESISTOR	680 5% 1/10W	
	R 956	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 957	NRSA02J-122NY	MG RESISTOR	1.2K 5% 1/10W	
	R 958	NRSA02J-202NY	CARBON RESISTOR	2.0K 5% 1/10W	
	R 959	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 960	NRSA02J-622NY	MG RESISTOR	6.2K 5% 1/10W	
	R 962	NRSA02J-681NY	MG RESISTOR	680 5% 1/10W	
	R 963	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 964	NRSA02J-682NY	MG RESISTOR	6.8K 5% 1/10W	
	R 965	NRSA02J-622NY	MG RESISTOR	6.2K 5% 1/10W	
	R 966	NRSA02J-681NY	MG RESISTOR	680 5% 1/10W	
	R 967	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 968	NRSA02J-122NY	MG RESISTOR	1.2K 5% 1/10W	
	R 969	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
	R 970	NRSA02J-0RONY	MG RESISTOR	5% 1/10W	
	R 971	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 972	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 973	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 974	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 975	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 976	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 977	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 978	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 979	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 980	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 981	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 982	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 983	NRSA02J-513NY	MG RESISTOR	51K 5% 1/10W	
	R 985	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
	R 986	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 987	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 990	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 991	NRSA02J-221NY	MG RESISTOR	220 5% 1/10W	
	R 992	NRSA02J-221NY	MG RESISTOR	220 5% 1/10W	
	R 994	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 995	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 996	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 997	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	RA561	EXBV8VJ-472Y	NET RESISTOR		
	RA562	EXBV4VJ-472Y	NET RESISTOR		
	RA563	EXBV8VJ-102Y	NET RESISTOR		
	RA601	EXBV8VJ-103Y	NET RESISTOR		
	RA602	EXBV8VJ-472Y	NET RESISTOR		
	RA603	EXBV8VJ-103Y	NET RESISTOR		
	RA604	EXBV8VJ-103Y	NET RESISTOR		

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⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	RA605	EXBV8VJ-103Y	NET RESISTOR		
	RA606	EXBV8VJ-103Y	NET RESISTOR		
	RA607	EXBV4VJ-103Y	NET RESISTOR		
	RA608	EXBV4VJ-103Y	NET RESISTOR		
	RY921	VSK1D12-118	RELAY		
	S 601	VSH1153-002	SWITCH	LOADING	
	S 602	VSH1153-002	SWITCH	UP-DOWN	
	S 603	VSH1153-002	SWITCH	MAGAZINE DETECT	
	S 604	VSH1153-002	SWITCH	OPEN/CLOSE INI	
	S 605	VSH1153-002	SWITCH	OPEN/CLOSE COUN	
	S 606	VSH1153-002	SWITCH	MAGAZINE OPEN	
	S 607	VSH1153-002	SWITCH	ROUND INITIAL	
	S 608	VSH1153-002	SWITCH	ROUND COUNT	
	S 610	QSP2K21-V01	PUSH SWITCH	DOOR CLOSE	
	S 611	QSP2K11-V04Y	PUSH SWITCH	DOOR OPEN	
	S 961	QSQ4B11-V02	TACT SWITCH	RESET 1	
	S 962	QSQ4B11-V02	TACT SWITCH	RESET 2	
	S 963	QSQ4B11-V02	TACT SWITCH	RESET 3	
	S 964	QSQ4B11-V02	TACT SWITCH	RESET 4	
	S 965	QSQ4B11-V02	TACT SWITCH	RESET 5	
	S 966	QSQ4B11-V02	TACT SWITCH	RESET 6	
	S 967	QSQ4B11-V02	TACT SWITCH	B SKIP	
	S 968	QSQ4H11-V06Y	TACT SWITCH	SELECT	
	S 969	QSQ4B11-V02	TACT SWITCH	MODE	
	S 970	QSQ4B11-V02	TACT SWITCH	BAND	
	S 971	QSQ4B11-V02	TACT SWITCH	F SKIP	
	S 972	QSQ4B11-V02	TACT SWITCH	FUNCTION	
	S 973	QSQ4H11-V06Y	TACT SWITCH	VOLUME UP	
	S 974	QSQ4H11-V06Y	TACT SWITCH	VOLUME DOWN	
	S 975	QSQ4H11-V06Y	TACT SWITCH	A HBS	
	S 976	QSQ4B11-V02	TACT SWITCH	CLOCK	
	S 977	QSQ4H11-V06Y	TACT SWITCH	EJECT	
	S 978	QSQ4B11-V02	TACT SWITCH	RESET	
	S 979	QSQ4B11-V02	TACT SWITCH	POWER	
	S 980	QSQ1A11-V02	TACT SWITCH	CLOSE	
	TU 11	VAF6S03-001	FM/AM FRONTEND		
	VR 11	QVZ3523-203AZ	V.RESISTOR	SEPALATION	
	VR 31	QVZ3523-103AZ	V.RESISTOR	SEPALATION	
	VR501	VCV5016-104	SEMI V RESISTOR	FOUCOS	
	VR581	NVP1412-103NZ	SEMI.V.RESISTOR	FEED	
	X 151	VCX5016-934Z	CRYSTAL		
	X 601	VCX5024-001	CRYSTAL	CLOCK	
	X 701	VCX5026-001Z	CRYSTAL		

■ Power amplifire board (Hideawy unit)

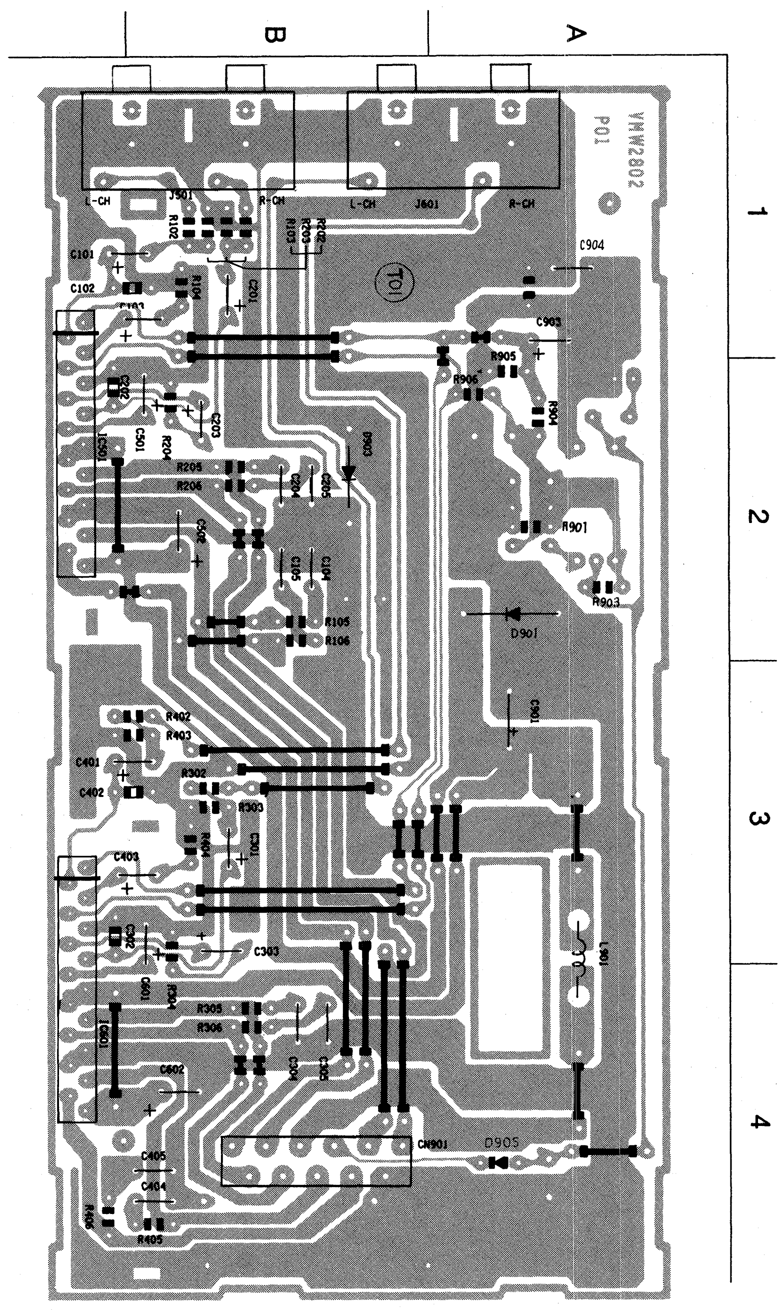


Fig. 8 – 3

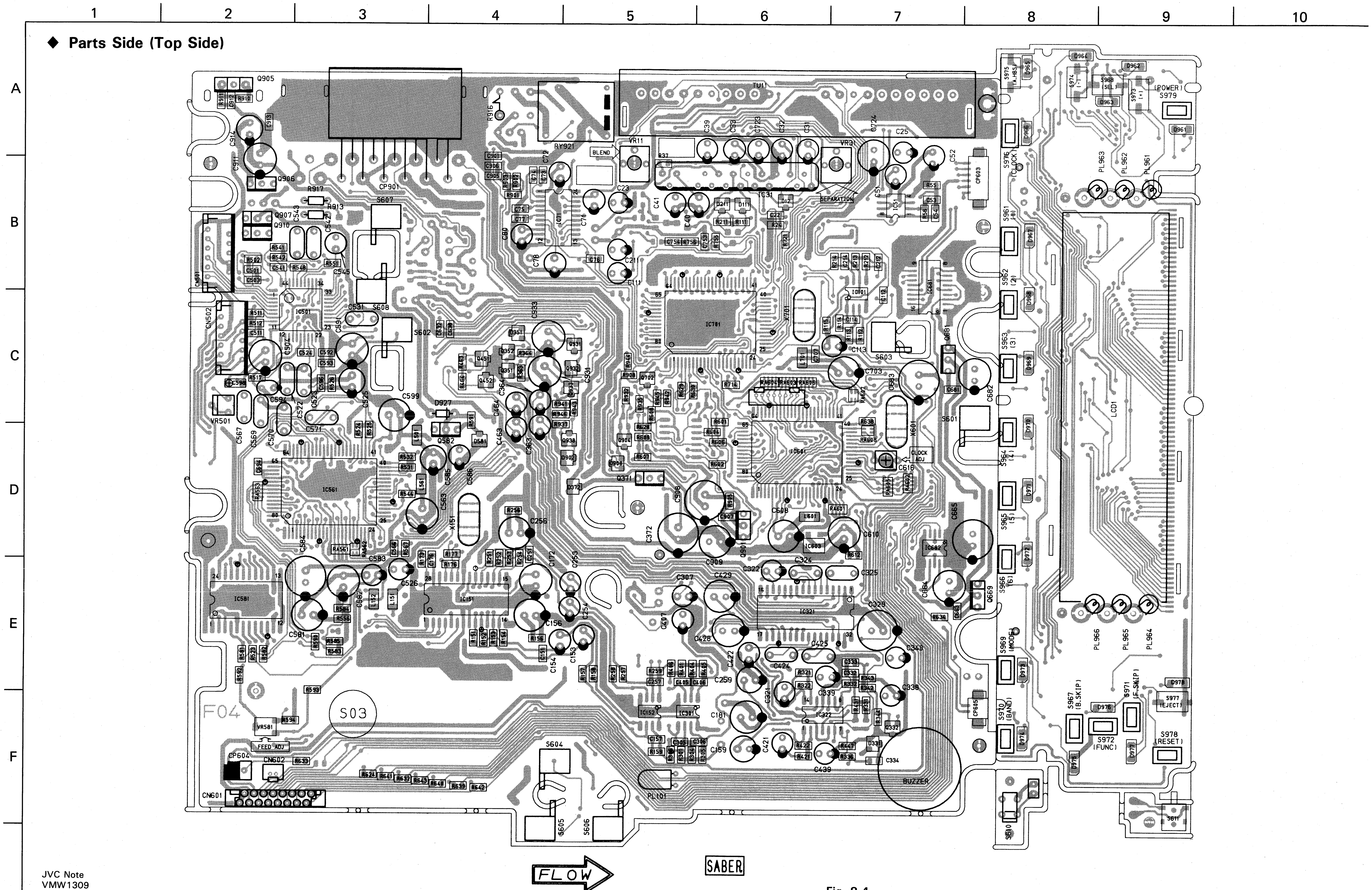
● Power amplifire parts list for all version

BLOCK NO. 02

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 101	QETC1HM-105ZN	E.CAPACITOR	1.0MF 20% 50V	
	C 102	QCBB1HK-102Y	C.CAPACITOR	1000PF 10% 50V	
	C 103	QETC1CM-106ZN	E.CAPACITOR	10MF 20% 16V	
	C 104	QFV41HJ-224	FILM CAPACITOR	.22MF 5% 50V	
	C 105	QFV41HJ-224	FILM CAPACITOR	.22MF 5% 50V	
	C 106	QFV71HJ-394ZM	FILM CAPACITOR	.39MF 5% 50V	
	C 201	QETC1HM-105ZN	E.CAPACITOR	1.0MF 20% 50V	
	C 202	QCBB1HK-102Y	C.CAPACITOR	1000PF 10% 50V	
	C 203	QETC1CM-106ZN	E.CAPACITOR	10MF 20% 16V	
	C 204	QFV41HJ-224	FILM CAPACITOR	.22MF 5% 50V	
	C 205	QFV41HJ-224	FILM CAPACITOR	.22MF 5% 50V	
	C 206	QFV71HJ-394ZM	FILM CAPACITOR	.39MF 5% 50V	
	C 301	QETC1HM-105ZN	E.CAPACITOR	1.0MF 20% 50V	
	C 302	QCBB1HK-102Y	C.CAPACITOR	1000PF 10% 50V	
	C 303	QETC1CM-106ZN	E.CAPACITOR	10MF 20% 16V	
	C 304	QFV41HJ-224	FILM CAPACITOR	.22MF 5% 50V	
	C 305	QFV41HJ-224	FILM CAPACITOR	.22MF 5% 50V	
	C 306	QFV71HJ-394ZM	FILM CAPACITOR	.39MF 5% 50V	
	C 401	QETC1HM-105ZN	E.CAPACITOR	1.0MF 20% 50V	
	C 402	QCBB1HK-102Y	C.CAPACITOR	1000PF 10% 50V	
	C 403	QETC1CM-106ZN	E.CAPACITOR	10MF 20% 16V	
	C 404	QFV41HJ-224	FILM CAPACITOR	.22MF 5% 50V	
	C 405	QFV41HJ-224	FILM CAPACITOR	.22MF 5% 50V	
	C 406	QFV71HJ-394ZM	FILM CAPACITOR	.39MF 5% 50V	
	C 501	QETA1CM-227	E.CAPACITOR	220MF 20% 16V	
	C 502	QEU41CM-108M	E.CAPACITOR	1000MF 20% 16V	
	C 601	QETA1CM-227	E.CAPACITOR	220MF 20% 16V	
	C 602	QEU41CM-108M	E.CAPACITOR	1000MF 20% 16V	
	C 901	QET41CR-228	E.CAPACITOR	2200MF +30:-10%	
	C 903	QETC1CM-226ZN	E.CAPACITOR	22MF 20% 16V	
	C 904	QFV41HJ-104	FILM CAPACITOR	.10MF 5% 50V	
	CN901	VGZ0007-022	FEED THROUGH		
	D 901	RL252	SI DIODE		
	D 903	10E1	SI DIODE		
	D 905	MA4051(M)	ZENER DIODE		
	IC501	TA8210AH	IC	FRONT AMP	
	IC601	TA8210AH	IC	REAR AMP	
	J 501	VMJ3014-001	PIN JACK ASSY	FRONT	
	J 601	VMJ3019-001	PIN JACK ASSY	REAR	
	L 901	VTC24AG-14A	CHOKE COIL		
	R 103	QRD161J-124	CARBON RESISTOR	120K 5% 1/6W	
	R 104	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 105	QRD141J-2R2S	CARBON RESISTOR	2.2 5% 1/4W	
	R 106	QRD141J-2R2S	CARBON RESISTOR	2.2 5% 1/4W	
	R 203	QRD161J-124	CARBON RESISTOR	120K 5% 1/6W	
	R 204	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 205	QRD141J-2R2S	CARBON RESISTOR	2.2 5% 1/4W	
	R 206	QRD141J-2R2S	CARBON RESISTOR	2.2 5% 1/4W	
	R 303	QRD161J-124	CARBON RESISTOR	120K 5% 1/6W	
	R 304	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 305	QRD141J-2R2S	CARBON RESISTOR	2.2 5% 1/4W	
	R 306	QRD141J-2R2S	CARBON RESISTOR	2.2 5% 1/4W	
	R 403	QRD161J-124	CARBON RESISTOR	120K 5% 1/6W	
	R 404	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 405	QRD141J-2R2S	CARBON RESISTOR	2.2 5% 1/4W	
	R 406	QRD141J-2R2S	CARBON RESISTOR	2.2 5% 1/4W	
	R 901	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 903	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 904	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 905	QRD161J-154	CARBON RESISTOR	150K 5% 1/6W	
	R 906	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	

■ Main Board for G/GE Version

◆ Parts Side (Top Side)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Q907
Q910
C543
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R541
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S607
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S602
CP901
C599
D927
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D581
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C905
R901
RY921
C72
C75
C77
C80
C76
C71
IC71
BLEND
VR11
C23
C21
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C41
C40
R37
TU11
C39
C38
C723
C32
C31
IC31
VR31
SEPARATION
C724
C25
C52
C51
IC51
R55
C53
CP603
D211
D111
R211
R111
D12
C22
R26
R121
C756
C758
C759
IC701
X701
IC101
C112
C681
C113
S603
C703
Q681
C681
C682
C683
S601
X601
CLOCK ADJ
C616
IC601
R601
R602
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R628
R908
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Q904
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Q371
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C665
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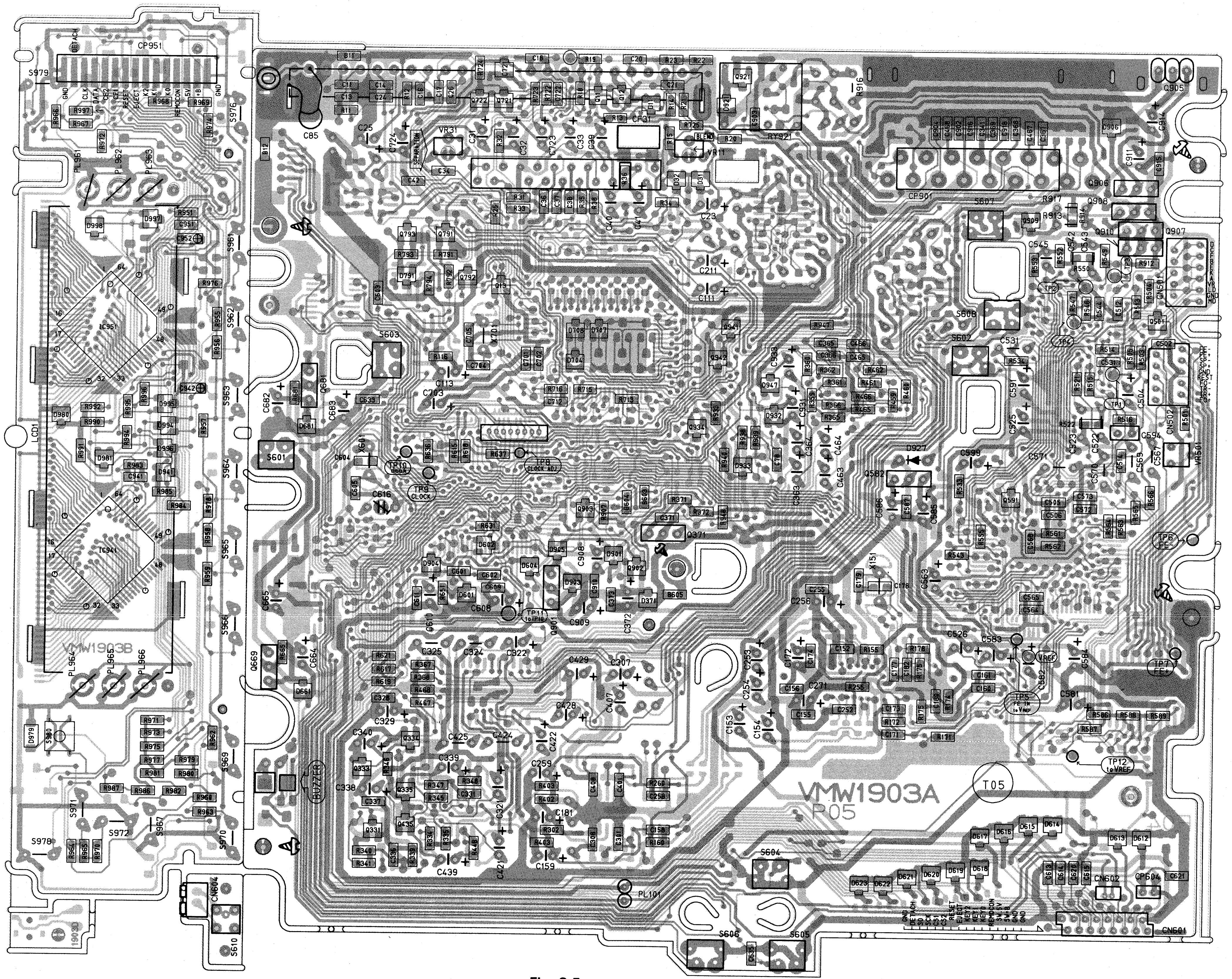
C424
C259
C321
C339
C338
C181
C159
C421
C439
IC152
IC301
IC322
C334
BUZZER
PL101
S604
S605
S606
C333
C351
Q352
R364
Q931
Q932
C931
Q933
C364
C464
C463
C353
Q938
Q902
Q971
IC561
X151
C563
C583
C584
C585
C586
C526
C582
C581
IC581
IC151
C172
C253
C254
C256
C156
C153
C154
R256
R156
R591
R592
R593
VR581
FEED ADJ
CP604
CN602
CN601
F04
S03
S975 (A.HBS)
D965
D964
S974 (-)
S968 (SEL)
D962
D963
S973 (+)
(POWER)
S979
D961
D966
S976 (CLOCK)
PL963
PL962
PL961
S961 (1)
D967
S962 (2)
D968
S963 (3)
D969
LCD1
S964 (4)
D970
S965 (5)
D971
S966 (6)
D972
C664
Q669
R636
PL966
PL965
PL964
S969 (MODE)
D973
CP605
S970 (BAND)
D974
S967 (B.SKIP)
D975
D976
S972 (FUNC)
S971 (F.SKIP)
D977
D978
S977 (EJECT)
S978 (RESET)
S610
S611
FLOW
SABER

Fig. 8-4

JVC Note
VMW1309
S03/F04

◆ Pattern Side (Bottom Side)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IC951
IC941
LCD1
VMW1903B
PL964
PL965
PL966
S971
S972
S978
S970
CN604
S610
S601
S603
BUZZER
CP901
RY921
VR31
VR11
S607
S608
S602
CN502
VR501
Q905
CN511
VMW1903A
P05
T05
S604
S606
S605
PL101
CN602
CP604
CN601
TP1
TP2
TP5
TP6
TP7
TP8
TP9
TP10
TP11
TP12

Fig. 8-5

JVC Note
VMW1309
T05/P05

● Main board parts list for G/GE version

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	B 11	NRSA02J-0R0NY	MG RESISTOR	5% 1/10W	
	B 12	NRSA02J-0R0NY	MG RESISTOR	5% 1/10W	
	B 603	NRSA02J-0R0NY	MG RESISTOR	5% 1/10W	
	B 604	NRSA02J-0R0NY	MG RESISTOR	5% 1/10W	
	B 901	NRSA02J-0R0NY	MG RESISTOR	5% 1/10W	
	C 11	NCB21HK-223AY	C CAPACITOR	.022MF 10% 25V	
	C 13	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 14	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V	
	C 16	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V	
	C 17	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V	
	C 18	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 20	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 21	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 22	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V	
	C 23	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 24	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 25	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 26	NCS21HJ-330AY	C CAPACITOR	33PF 5% 50V	
	C 31	QER41EM-475VM	E.CAPACITOR	4.7MF 20% 25V	
	C 32	QER40JM-226	E.CAPACITOR	22MF 20% 6.3V	
	C 33	QER41EM-475VM	E.CAPACITOR	4.7MF 20% 25V	
	C 34	NCS21HJ-471AY	C CAPACITOR	470PF 5% 50V	
	C 36	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 37	NCB21HK-332AY	C CAPACITOR	3300PF 10% 50V	
	C 38	NCB21HK-332AY	C CAPACITOR	3300PF 10% 50V	
	C 39	QER41EM-475VM	E.CAPACITOR	4.7MF 20% 25V	
	C 40	QER41HM-224VS	E.CAPACITOR	.22MF 20% 50V	
	C 41	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 42	NCS21HJ-151AY	C CAPACITOR	150PF 5% 50V	
	C 51	QER41EM-475VM	E.CAPACITOR	4.7MF 20% 25V	
	C 52	QERF0JM-476ZN	E.CAPACITOR	47MF 20% 6.3V	
	C 53	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
	C 54	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
	C 71	QER40JM-226	E.CAPACITOR	22MF 20% 6.3V	
	C 72	QER40JM-226	E.CAPACITOR	22MF 20% 6.3V	
	C 73	NCB21HK-332AY	C CAPACITOR	3300PF 10% 50V	
	C 74	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
	C 75	NCB21HK-332AY	C CAPACITOR	3300PF 10% 50V	
	C 76	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
	C 77	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 78	QERF1AM-106ZM	E.CAPACITOR	10MF 20% 10V	
	C 80	QER40JM-226	E.CAPACITOR	22MF 20% 6.3V	
	C 85	QCS11HJ-220	C.CAPACITOR	22PF 5% 50V	
	C 111	QER41EM-475VM	E.CAPACITOR	4.7MF 20% 25V	
	C 112	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 113	QER40JM-226	E.CAPACITOR	22MF 20% 6.3V	
	C 114	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 151	NCS21HJ-181AY	C CAPACITOR	180PF 5% 50V	
	C 152	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 153	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 154	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 155	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 156	QERF0JM-107ZN	E.CAPACITOR	100MF 20% 6.3V	
	C 157	NCS21HJ-151AY	C CAPACITOR	150PF 5% 50V	
	C 158	NCS21HJ-151AY	C CAPACITOR	150PF 5% 50V	

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 159	QERF0JM-476ZN	E.CAPACITOR	47MF 20% 6.3V	
	C 160	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 161	NCS21HJ-150AY	C.CAPACITOR	15PF 5% 50V	
	C 171	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 172	QERF0JM-107ZN	E.CAPACITOR	100MF 20% 6.3V	
	C 173	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 174	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 175	NCS21HD-7R0AY	C CAPACITOR	7.0PF 50V	
	C 176	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 177	NCS21HJ-270AY	C.CAPACITOR	27PF 5% 50V	
	C 178	NCS21HJ-120AY	C CAPACITOR	12PF 5% 50V	
	C 179	NCS21HJ-5R0	C CAPACITOR	5.0PF 50V	
	C 180	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V	
	C 181	QERF1AM-476ZN	E.CAPACITOR	47MF 20% 10V	
	C 211	QER41EM-475VM	E.CAPACITOR	4.7MF 20% 25V	
	C 212	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 214	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 251	NCS21HJ-181AY	C CAPACITOR	180PF 5% 50V	
	C 252	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 253	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 254	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 255	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 256	QERF0JM-107ZN	E.CAPACITOR	100MF 20% 6.3V	
	C 257	NCS21HJ-151AY	C CAPACITOR	150PF 5% 50V	
	C 258	NCS21HJ-151AY	C CAPACITOR	150PF 5% 50V	
	C 259	QERF0JM-476ZN	E.CAPACITOR	47MF 20% 6.3V	
	C 271	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 301	NCS21HJ-102AY	C CAPACITOR	1000PF 5% 50V	
	C 305	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 306	NCS21HJ-121AY	C.CAPACITOR	120PF 5% 50V	
	C 307	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 308	NCB21HK-272AY	C CAPACITOR	2700PF 10% 50V	
	C 321	QER41CM-106	E.CAPACITOR	10MF 20% 16V	
	C 322	QER41CM-106	E.CAPACITOR	10MF 20% 16V	
	C 324	QFV41HJ-333	FILM CAPACITOR	.033MF 5% 50V	
	C 325	QFLA1HJ-562ZM	M.CAPACITOR	5600PF 5% 50V	
	C 328	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 329	QERF1AM-227ZM	E.CAPACITOR	220MF 20% 10V	
	C 331	NCB21HK-273AY	C CAPACITOR	.027MF 10% 25V	
	C 332	NCB21EK-563AY	C CAPACITOR	.056MF 10% 25V	
	C 333	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 334	NCB21EK-393AY	C CAPACITOR	.039MF 10% 25V	
	C 336	NCB21EK-393AY	C CAPACITOR	.039MF 10% 25V	
	C 337	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 338	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 339	QER41CM-106	E.CAPACITOR	10MF 20% 16V	
	C 340	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 363	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 364	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 365	NCS21HJ-471AY	C CAPACITOR	470PF 5% 50V	
	C 366	NCS21HJ-471AY	C CAPACITOR	470PF 5% 50V	
	C 367	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 368	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 369	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 371	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	

● Main board parts list for G/GE version

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 372	QERF1AM-227ZM	E.CAPACITOR	220MF 20% 10V	
	C 373	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 401	NCS21HJ-102AY	C CAPACITOR	1000PF 5% 50V	
	C 405	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 406	NCS21HJ-121AY	C.CAPACITOR	120PF 5% 50V	
	C 407	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 408	NCB21HK-272AY	C CAPACITOR	2700PF 10% 50V	
	C 421	QER41CM-106	E.CAPACITOR	10MF 20% 16V	
	C 422	QER41CM-106	E.CAPACITOR	10MF 20% 16V	
	C 424	QFV41HJ-333	FILM CAPACITOR	.033MF 5% 50V	
	C 425	QFLA1HJ-562ZM	M.CAPACITOR	5600PF 5% 50V	
	C 428	QER41CM-476M	E.CAPACITOR	47MF 20% 16V	
	C 429	QERF0JM-107ZN	E.CAPACITOR	100MF 20% 6.3V	
	C 439	QER41CM-106	E.CAPACITOR	10MF 20% 16V	
	C 463	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 464	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
	C 465	NCS21HJ-471AY	C CAPACITOR	470PF 5% 50V	
	C 466	NCS21HJ-471AY	C CAPACITOR	470PF 5% 50V	
	C 467	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 468	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 501	NCT21CH-471AY	C CAPACITOR	470PF +50:-10%	
	C 502	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 503	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 504	QER41AM-107	E.CAPACITOR	100MF 20% 10V	
	C 505	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 506	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 511	NCS21HC-4R0AY	C CAPACITOR	4.0PF 50V	
	C 512	NCT21CH-680	C CAPACITOR	68PF +50:-10% 1	
	C 513	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 514	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 522	QFV41HJ-223	FILM CAPACITOR	.022MF 5% 50V	
	C 523	QFV41HJ-104	FILM CAPACITOR	.10MF 5% 50V	
	C 524	NCS21HJ-681AY	C CAPACITOR	680PF 5% 50V	
	C 525	QER41AM-336	E.CAPACITOR	33MF 20% 10V	
	C 526	QER41HM-225	E.CAPACITOR	2.2MF 20% 50V	
	C 531	QFLA1HJ-822ZM	M.CAPACITOR	8200PF 5% 50V	
	C 541	NCS21HJ-181AY	C CAPACITOR	180PF 5% 50V	
	C 542	QFV41HJ-123	FILM CAPACITOR	.012MF 5% 50V	
	C 543	QFV81HJ-473	FILM CAPACITOR	.047MF 5% 50V	
	C 544	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 545	QEPJ1HM-105ZM	NP.E.CAPACITOR	1.0MF 20% 50V	
	C 563	QER41AM-107	E.CAPACITOR	100MF 20% 10V	
	C 564	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 565	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 566	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 567	QFV71HJ-103	FILM CAPACITOR	.010MF 5% 50V	
	C 568	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 569	QFV71HJ-103	FILM CAPACITOR	.010MF 5% 50V	
	C 570	QFLA1HJ-332ZM	M.CAPACITOR	3300PF 5% 50V	
	C 571	QFLA1HJ-332ZM	M.CAPACITOR	3300PF 5% 50V	
	C 572	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 573	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 581	QERF0GM-227ZM	E.CAPACITOR	220MF 20%	
	C 582	QERF1AM-476ZN	E.CAPACITOR	47MF 20% 10V	
	C 583	QER41EM-475VM	E.CAPACITOR	4.7MF 20% 25V	

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 584	QERF1AM-227ZM	E.CAPACITOR	220MF 20% 10V	
	C 585	QERF0JM-476ZN	E.CAPACITOR	47MF 20% 6.3V	
	C 586	QER41EM-475VM	E.CAPACITOR	4.7MF 20% 25V	
	C 587	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 591	QER41AM-107	E.CAPACITOR	100MF 20% 10V	
	C 592	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 593	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 594	QEE40JM-106B	TS.E.CAPACITOR	10MF 20% 6.3V	
	C 596	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 598	NEF20JM-475RY	TS.E.CAPACITOR	4.7MF 20% 6.3V	
	C 599	QER41AM-107	E.CAPACITOR	100MF 20% 10V	
	C 601	NCB21HK-222AY	C CAPACITOR	2200PF 10% 50V	
	C 602	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 603	NCB21HK-103AY	C CAPACITOR	.010MF 10% 25V	
	C 604	NCT21CH-120AY	C CAPACITOR	12PF +50:-10% 1	
	C 605	NCT21CH-7R0AY	C CAPACITOR	7.0PF +50:-10%	
	C 608	QERF1AM-227ZM	E.CAPACITOR	220MF 20% 10V	
	C 609	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 610	QERF1AM-476ZN	E.CAPACITOR	47MF 20% 10V	
	C 611	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 613	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 614	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 615	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 616	QAT3722-100M	T.CAPACITOR		
	C 620	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 621	NCB21HK-333AY	C CAPACITOR	.033MF 10% 50V	
	C 663	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 664	QER41AM-107	E.CAPACITOR	100MF 20% 10V	
	C 665	QERF1AM-227ZM	E.CAPACITOR	220MF 20% 10V	
	C 681	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 682	QER41AM-107	E.CAPACITOR	100MF 20% 10V	
	C 683	QERF1AM-227ZM	E.CAPACITOR	220MF 20% 10V	
	C 694	NCB21HK-332AY	C CAPACITOR	3300PF 10% 50V	
	C 701	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 702	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 703	QERF0JM-107ZN	E.CAPACITOR	100MF 20% 6.3V	
	C 704	NCT21CH-330AY	C CAPACITOR	33PF +50:-10% 1	
	C 705	NCT21CH-220AY	C CAPACITOR	22PF +50:-10% 1	
	C 707	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 712	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 722	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
	C 723	QER41HM-225	E.CAPACITOR	2.2MF 20% 50V	
	C 724	QERF1AM-476ZN	E.CAPACITOR	47MF 20% 10V	
	C 753	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 754	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 901	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
	C 902	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 903	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 904	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 905	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
	C 906	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
	C 907	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 908	QERF1CM-107ZM	E.CAPACITOR	100MF 20% 16V	
	C 909	QER41AM-107	E.CAPACITOR	100MF 20% 10V	
	C 910	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 911	QER41AM-107	E.CAPACITOR	100MF 20% 10V	
	C 912	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 913	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 914	QER41CM-226VM	E.CAPACITOR	22MF 20% 16V	
	C 915	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 931	QER41CM-476M	E.CAPACITOR	47MF 20% 16V	
	C 933	QER41CM-476M	E.CAPACITOR	47MF 20% 16V	
	C 941	NCS21HJ-681AY	C CAPACITOR	680PF 5% 50V	
	C 942	NEF20JM-475RY	TS.E.CAPACITOR	4.7MF 20% 6.3V	
	C 951	NCS21HJ-681AY	C CAPACITOR	680PF 5% 50V	
	C 952	NEF20JM-475RY	TS.E.CAPACITOR	4.7MF 20% 6.3V	
	CF 31	CSB456F11	CERA LOCK		
	CF 71	CSB456F15	CERA LOCK		
	CN501	VMC0272-011	CONNECTOR		
	CN502	VMC0272-010	CONNECTOR		
	CN601	VMC0125-016	CONNECTOR		
	CN602	VMC0293-002	CONNECTOR		
	CN604	VMC0063-002	CONNECTOR		
	CP603	VMC0294-R06Y	CONNECTOR		
	CP605	VMC0294-R02Y	CONNECTOR		
	CP901	VGZ0007-033	FEED THROUGH		
	CP951	VMC0259-001	CONNECTOR		
	D 11	MA3056	ZENER DIODE		
	D 12	HSM2838C	DIODE		
	D 31	MA153	DIODE		
	D 32	MA153	DIODE		
	D 71	MA3051(M)	ZENER DIODE		
	D 111	HSM2838C	DIODE		
	D 211	HSM2838C	DIODE		
	D 331	MA716X	S.B.DIODE X2		
	D 351	HSM2836C	DIODE		
	D 371	MA3110(M)	ZENER DIODE		
	D 372	HSM2836C	DIODE		
	D 581	MA3056	ZENER DIODE		
	D 601	HSM2836C	DIODE		
	D 602	HSM2836C	DIODE		
	D 604	HSM2838C	DIODE		
	D 612	MA3062(M)	ZENER DIODE		
	D 613	MA3062(M)	ZENER DIODE		
	D 614	MA3062(M)	ZENER DIODE		
	D 615	MA3062(M)	ZENER DIODE		
	D 616	MA3062(M)	ZENER DIODE		
	D 617	MA3062(M)	ZENER DIODE		
	D 618	MA3062(M)	ZENER DIODE		
	D 619	MA3062(M)	ZENER DIODE		
	D 620	MA3062(M)	ZENER DIODE		
	D 621	MA3062(M)	ZENER DIODE		
	D 622	MA3062(M)	ZENER DIODE		
	D 623	MA3062(M)	ZENER DIODE		
	D 661	MA3062(M)	ZENER DIODE		
	D 681	MA3075(H)	ZENER DIODE		
	D 704	HSM2836C	DIODE		
	D 707	HSM2836C	DIODE		
	D 708	HSM2836C	DIODE		
	D 721	MA3091(H)	ZENER DIODE		

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	D 791	HSM2838C	DIODE		
	D 901	HSM2836C	DIODE		
	D 902	MA3056	ZENER DIODE		
	D 903	MA3062(M)	ZENER DIODE		
	D 904	HSM2836C	DIODE		
	D 905	HSM2836C	DIODE		
	D 906	MA3091(H)	ZENER DIODE		
	D 908	HSM2838C	DIODE		
	D 921	HSM2836C	DIODE		
	D 927	DSK10C-E	DIODE		
	D 932	MA3091(H)	ZENER DIODE		
	D 933	HSM2838C	DIODE		
	D 941	HSM2838C	DIODE		
	D 947	HSM2838C	DIODE		
	D 961	LN1351C	LED		
	D 962	LN1351C	LED		
	D 963	LN1351C	LED		
	D 964	LN1351C	LED		
	D 965	LN1351C	LED		
	D 966	LN1351C	LED		
	D 967	LN1351C	LED		
	D 968	LN1351C	LED		
	D 969	LN1351C	LED		
	D 970	LN1351C	LED		
	D 971	LN1351C	LED		
	D 972	LN1351C	LED		
	D 973	LN1351C	LED		
	D 974	LN1351C	LED		
	D 975	LN1351C	LED		
	D 976	LN1351C	LED		
	D 977	LN1351C	LED		
	D 978	LN1351C	LED		
	D 979	LN1461C	LED		
	D 980	MA3056	ZENER DIODE		
	D 981	HSM2838C	DIODE		
	D 994	MA153	DIODE		
	D 995	HSM2836C	DIODE		
	D 996	HSM2838C	DIODE		
	D 997	HSM2838C	DIODE		
	D 998	HSM2836C	DIODE		
	IC 31	NMX4S933	IC	NC/MPX	
	IC 51	M5218AFP	IC	57KHZ BPF	
	IC 71	LA2231M-A	IC	SK/DK	
	IC101	M5218AFP	IC	BUFFER	
	IC151	MN35500	IC	D/A CONVERTER	
	IC152	M5218AFP	IC	CD SIG BUFFER	
	IC301	M5218AFP	IC	CD SIG AMP	
	IC321	TEA6320T	IC	E. VOLUME	
	IC322	M5228FP	IC	A HBS AMP	
	IC501	TA8191F	IC	CD SIG RF AMP	
	IC561	TC9236AF	IC	DATA/SERVO PROC	
	IC581	AN8388S-E1	IC	SERVO DRAIVER	
	IC601	UPD78P044GFGT7D	IC	CYSTEM CONTROL	
	IC603	PST529GM-T	IC	RESET	
	IC681	LB1831M-TPT1	IC	UP-DOWN CLOSE	

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	IC682	LB1635M-TPT1	IC	OPEN CLOSE	
	IC701	UPD17P005GF-G	IC	DTS	
	IC941	LC7582E	IC	LCD DRIVER	
	IC951	LC7582E	IC	LCD DRIVER	
	L 151	VQP1005-4R7	INDUCTOR		
	L 152	VQP1005-4R7	INDUCTOR		
	L 153	VQP0018-4R7	INDUCTOR		
	L 501	VQP1005-4R7	INDUCTOR		
	L 561	VQP1005-4R7	INDUCTOR		
	L 601	VQP1006-270	INDUCTOR		
	L 701	VQP1005-4R7	INDUCTOR		
	PL101	VGZ0001-056	LAMP		
	PL961	VGZ0001-040	LAMP		
	PL963	VGZ0001-040	LAMP		
	PL964	VGZ0001-040	LAMP		
	PL966	VGZ0001-040	LAMP		
	Q 11	UN2211	TRANSISTOR		
	Q 12	UN2211	TRANSISTOR		
	Q 13	UN2211	TRANSISTOR		
	Q 331	2SD601A(R)	TRANSISTOR		
	Q 332	2SD601A(R)	TRANSISTOR		
	Q 333	2SD601A(R)	TRANSISTOR		
	Q 334	UN2211	TRANSISTOR		
	Q 335	2SD601A(R)	TRANSISTOR		
	Q 351	2SD601A(R)	TRANSISTOR		
	Q 352	2SD601A(R)	TRANSISTOR		
	Q 371	2SD1994(R,S)	TRANSISTOR		
	Q 435	2SD601A(R)	TRANSISTOR		
	Q 451	2SD601A(R)	TRANSISTOR		
	Q 452	2SD601A(R)	TRANSISTOR		
	Q 501	2SA1179(M6M7)HL	TRANSISTOR		
	Q 582	2SD1994(R,S)	TRANSISTOR		
	Q 591	2SA1179(M6M7)HL	TRANSISTOR		
	Q 669	2SD1994(R,S)	TRANSISTOR		
	Q 681	2SD1994(R,S)	TRANSISTOR		
	Q 702	UN2111	TRANSISTOR		
	Q 721	2SC3661	TRANSISTOR		
	Q 722	2SD601A(R)	TRANSISTOR		
	Q 751	2SD601A(R)	TRANSISTOR		
	Q 791	2SA1362GR	TRANSISTOR		
	Q 792	UN2211	TRANSISTOR		
	Q 793	2SA1179(M6M7)HL	TRANSISTOR		
	Q 901	2SD1994(R,S)	TRANSISTOR		
	Q 902	2SD601A(R)	TRANSISTOR		
	Q 903	2SA1179(M6M7)HL	TRANSISTOR		
	Q 904	2SD601A(R)	TRANSISTOR		
	Q 905	2SB941A(P,Q)	TRANSISTOR		
	Q 906	2SD1994(R,S)	TRANSISTOR		
	Q 907	2SB1322(RS)	TRANSISTOR		
	Q 909	UN2211	TRANSISTOR		
	Q 910	2SB1322(RS)	TRANSISTOR		
	Q 921	UN2214X	TRANSISTOR		
	Q 931	UN2111	TRANSISTOR		
	Q 932	2SD601A(R)	TRANSISTOR		
	Q 933	UN2111	TRANSISTOR		

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	Q 934	2SA1179(M6M7)HL	TRANSISTOR		
	Q 938	UN2111	TRANSISTOR		
	Q 941	UN2211	TRANSISTOR		
	Q 942	UN2211	TRANSISTOR		
	R 11	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 12	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 13	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 14	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 15	NRSA02J-0R0NY	MG RESISTOR	5% 1/10W	
	R 18	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 19	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 20	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 21	NRSA02J-183NY	MG RESISTOR	18K 5% 1/10W	
	R 22	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
	R 23	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
	R 24	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
	R 25	NRSA02J-181NY	MG RESISTOR	180 5% 1/10W	
	R 31	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 32	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 33	NRSA02J-822NY	MG RESISTOR	8.2K 5% 1/10W	
	R 34	NRSA02J-393NY	MG RESISTOR	39K 5% 1/10W	
	R 35	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 36	NRSA02J-512NY	MG RESISTOR	5.1K 5% 1/10W	
	R 37	NRSA02J-334NY	MG RESISTOR	330K 5% 1/10W	
	R 38	NRSA02J-393NY	MG RESISTOR	39K 5% 1/10W	
	R 51	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 52	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 53	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
	R 54	NRSA02J-272NY	MG RESISTOR	2.7K 5% 1/10W	
	R 55	NRSA02J-151NY	MG RESISTOR	150 5% 1/10W	
	R 56	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 71	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 72	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 73	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 76	NRSA02J-564NY	MG RESISTOR	560K 5% 1/10W	
	R 77	QRD161J-824	CARBON RESISTOR	820K 5% 1/6W	
	R 111	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 112	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
	R 113	NRSA02J-183NY	MG RESISTOR	18K 5% 1/10W	
	R 114	NRSA02J-563NY	MG RESISTOR	56K 5% 1/10W	
	R 115	NRSA02J-273NY	MG RESISTOR	27K 5% 1/10W	
	R 116	NRSA02J-273NY	MG RESISTOR	27K 5% 1/10W	
	R 151	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 152	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 153	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 154	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 155	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 156	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 157	NRSA02J-563NY	MG RESISTOR	56K 5% 1/10W	
	R 158	NRSA02J-563NY	MG RESISTOR	56K 5% 1/10W	
	R 159	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 160	NRSA02J-273NY	MG RESISTOR	27K 5% 1/10W	
	R 171	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 172	NRSA02J-270NY	MG RESISTOR	27 5% 1/10W	
	R 173	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 174	NRSA02J-560NY	MG RESISTOR	56 5% 1/10W	
	R 175	NRSA02J-122NY	MG RESISTOR	1.2K 5% 1/10W	
	R 176	NRSA02J-155NY	MG RESISTOR	1.5M 5% 1/10W	
	R 177	NRSA02J-330NY	MG RESISTOR	33 5% 1/10W	
	R 178	NRSA02J-221NY	MG RESISTOR	220 5% 1/10W	
	R 211	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 212	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
	R 213	NRSA02J-183NY	MG RESISTOR	18K 5% 1/10W	
	R 214	NRSA02J-563NY	MG RESISTOR	56K 5% 1/10W	
	R 251	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 252	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 253	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 254	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 255	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 256	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 257	NRSA02J-563NY	MG RESISTOR	56K 5% 1/10W	
	R 258	NRSA02J-563NY	MG RESISTOR	56K 5% 1/10W	
	R 259	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 260	NRSA02J-273NY	MG RESISTOR	27K 5% 1/10W	
	R 301	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
	R 302	NRSA02J-273NY	MG RESISTOR	27K 5% 1/10W	
	R 303	NRSA02J-273NY	MG RESISTOR	27K 5% 1/10W	
	R 304	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
	R 305	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 306	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
	R 321	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 322	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 331	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W	
	R 332	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 334	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W	
	R 335	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W	
	R 336	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 339	NRSA02J-475NY	MG RESISTOR	4.7M 5% 1/10W	
	R 340	NRSA02J-475NY	MG RESISTOR	4.7M 5% 1/10W	
	R 341	NRSA02J-475NY	MG RESISTOR	4.7M 5% 1/10W	
	R 342	NRSA02J-272NY	MG RESISTOR	2.7K 5% 1/10W	
	R 343	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 344	NRSA02J-105NY	MG RESISTOR	1.0M 5% 1/10W	
	R 345	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
	R 346	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 347	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 348	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
	R 359	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 360	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 361	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 362	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 363	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 364	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 365	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 366	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 367	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W	
	R 368	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W	
	R 371	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 372	NRSA02J-100NY	MG RESISTOR	10 5% 1/10W	
	R 401	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 402	NRSA02J-273NY	MG RESISTOR	27K 5% 1/10W	
	R 403	NRSA02J-273NY	MG RESISTOR	27K 5% 1/10W	
	R 404	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
	R 405	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 406	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
	R 421	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 422	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 431	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W	
	R 447	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 448	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
	R 459	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 460	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 461	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 462	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 463	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 464	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 465	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 466	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 467	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W	
	R 468	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W	
	R 501	NRSA02J-124NY	MG RESISTOR	120K 5% 1/10W	
	R 502	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 503	NRSA02J-470NY	MG RESISTOR	47 5% 1/10W	
	R 504	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 505	NRSA02J-470NY	MG RESISTOR	47 5% 1/10W	
	R 511	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
	R 512	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 513	NRSA02J-152NY	MG RESISTOR	1.5K 5% 1/10W	
	R 514	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 515	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 516	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 517	NRSA02J-202NY	CARBON RESISTOR	2.0K 5% 1/10W	
	R 521	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W	
	R 522	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 523	NRSA02J-221NY	MG RESISTOR	220 5% 1/10W	
	R 524	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 525	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 526	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
	R 531	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 532	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
	R 533	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
	R 534	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W	
	R 541	NRSA02J-273NY	MG RESISTOR	27K 5% 1/10W	
	R 542	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 543	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 544	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 546	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 547	NRSA02J-272NY	MG RESISTOR	2.7K 5% 1/10W	
	R 548	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
	R 549	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 550	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
	R 551	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 552	NRSA02J-822NY	MG RESISTOR	8.2K 5% 1/10W	
	R 553	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 555	NRSA02J-225NY	MG RESISTOR	2.2M 5% 1/10W	

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 556	NRSA02J-225NY	MG RESISTOR	2.2M 5% 1/10W	
	R 561	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 562	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 563	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W	
	R 564	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 565	NRSA02J-225NY	MG RESISTOR	2.2M 5% 1/10W	
	R 566	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
	R 567	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 581	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
	R 582	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
	R 583	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 584	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 585	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 586	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 587	NRSA02J-184NY	MG RESISTOR	180K 5% 1/10W	
	R 588	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
	R 589	NRSA02J-682NY	MG RESISTOR	6.8K 5% 1/10W	
	R 590	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
	R 591	NRSA02J-221NY	MG RESISTOR	220 5% 1/10W	
	R 592	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
	R 593	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 594	NRSA02J-681NY	MG RESISTOR	680 5% 1/10W	
	R 601	NRSA02J-334NY	MG RESISTOR	330K 5% 1/10W	
	R 602	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 604	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 606	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 607	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 608	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 609	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 612	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 615	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 617	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 619	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 621	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 623	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 624	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 628	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 629	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 630	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 631	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 632	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 633	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 634	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 636	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 637	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 638	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
	R 639	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 640	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 641	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 642	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 643	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W	
	R 651	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 665	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 681	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 713	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 714	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 715	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 716	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 721	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 722	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 723	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 724	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 725	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 755	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
	R 756	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 791	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 792	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 793	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 794	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
	R 901	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 902	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 903	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 904	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 905	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
	R 907	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 908	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 910	NRSA02J-100NY	MG RESISTOR	10 5% 1/10W	
	R 911	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 912	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
	R 913	QRD14DJ-391X	CARBON RESISTOR	390 5% 1/4W	
	R 916	QRX01DJ-R47X	M.F.RESISTOR	5% 1/1W	
	R 917	QRD14DJ-391X	CARBON RESISTOR	390 5% 1/4W	
	R 932	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 933	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 935	NRSA02J-563NY	MG RESISTOR	56K 5% 1/10W	
	R 937	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 938	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
	R 939	NRSA02J-152NY	MG RESISTOR	1.5K 5% 1/10W	
	R 940	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 941	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 942	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 943	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 944	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 945	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 946	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
	R 947	NRSA02J-100NY	MG RESISTOR	10 5% 1/10W	
	R 948	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 951	NRSA02J-513NY	MG RESISTOR	51K 5% 1/10W	
	R 955	NRSA02J-681NY	MG RESISTOR	680 5% 1/10W	
	R 956	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 957	NRSA02J-122NY	MG RESISTOR	1.2K 5% 1/10W	
	R 958	NRSA02J-202NY	MG RESISTOR	2.0K 5% 1/10W	
	R 959	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 960	NRSA02J-622NY	MG RESISTOR	6.2K 5% 1/10W	
	R 962	NRSA02J-681NY	MG RESISTOR	680 5% 1/10W	
	R 963	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 964	NRSA02J-682NY	MG RESISTOR	6.8K 5% 1/10W	
	R 965	NRSA02J-622NY	MG RESISTOR	6.2K 5% 1/10W	
	R 966	NRSA02J-681NY	MG RESISTOR	680 5% 1/10W	
	R 967	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 968	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 969	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
	R 970	NRSA02J-0R0NY	MG RESISTOR	5% 1/10W	
	R 971	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 972	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 973	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 974	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 975	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 976	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 977	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 978	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 979	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 980	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 981	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 982	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 983	NRSA02J-513NY	MG RESISTOR	51K 5% 1/10W	
	R 985	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
	R 986	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 987	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 990	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 991	NRSA02J-221NY	MG RESISTOR	220 5% 1/10W	
	R 992	NRSA02J-221NY	MG RESISTOR	220 5% 1/10W	
	R 994	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 995	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 996	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 997	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	RA561	EXBV8VJ-472Y	NET RESISTOR		
	RA562	EXBV4VJ-472Y	NET RESISTOR		
	RA563	EXBV8VJ-102Y	NET RESISTOR		
	RA601	EXBV8VJ-103Y	NET RESISTOR		
	RA602	EXBV8VJ-472Y	NET RESISTOR		
	RA603	EXBV8VJ-103Y	NET RESISTOR		
	RA604	EXBV8VJ-103Y	NET RESISTOR		
	RA605	EXBV8VJ-103Y	NET RESISTOR		
	RA606	EXBV8VJ-103Y	NET RESISTOR		
	RA607	EXBV4VJ-103Y	NET RESISTOR		
	RA608	EXBV4VJ-103Y	NET RESISTOR		
	RY921	VSK1D12-118	RELAY		
	S 601	VSH1153-002	SWITCH	LOADING	
	S 602	VSH1153-002	SWITCH	UP-DOWN	
	S 603	VSH1153-002	SWITCH	MAGAZINE DETECT	
	S 604	VSH1153-002	SWITCH	OPEN/CLOSE DETE	
	S 605	VSH1153-002	SWITCH	OPWN/CLOSE COUN	
	S 606	VSH1153-002	SWITCH	MAGAZINE OPEN	
	S 607	VSH1153-002	SWITCH	ROUND INITIAL	
	S 608	VSH1153-002	SWITCH	ROUD COUNT	
	S 610	QSP2K21-V01	PUSH SWITCH		
	S 611	QSP2K11-V04Y	PUSH SWITCH		
	S 961	QSQ4B11-V02	TACT SWITCH	PRESET 1	
	S 962	QSQ4B11-V02	TACT SWITCH	PRESET 2	
	S 963	QSQ4B11-V02	TACT SWITCH	PRESET 3	
	S 964	QSQ4B11-V02	TACT SWITCH	PRESET 4	
	S 965	QSQ4B11-V02	TACT SWITCH	PRESET 5	
	S 966	QSQ4B11-V02	TACT SWITCH	PRESET 6	
	S 967	QSQ4B11-V02	TACT SWITCH	B SKIP	

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	S 968	QSQ4H11-V06Y	TACT SWITCH	SELECT	
	S 969	QSQ4B11-V02	TACT SWITCH	MODE	
	S 970	QSQ4B11-V02	TACT SWITCH	BAND	
	S 971	QSQ4B11-V02	TACT SWITCH	S SKIP	
	S 972	QSQ4B11-V02	TACT SWITCH	FUNCTION	
	S 973	QSQ4H11-V06Y	TACT SWITCH	VOLUME UP	
	S 974	QSQ4H11-V06Y	TACT SWITCH	VOLUME DOUN	
	S 975	QSQ4H11-V06Y	TACT SWITCH	A HBS	
	S 976	QSQ4B11-V02	TACT SWITCH	CLOCK	
	S 977	QSQ4H11-V06Y	TACT SWITCH	EJECT	
	S 978	QSQ4B11-V02	TACT SWITCH	RESET	
	S 979	QSQ4B11-V02	TACT SWITCH	POWER	
	S 980	QSQ1A11-V02	TACT SWITCH	CLOSE	
	TU 11	VAF6S03-001	FM/AM FRONTEND		
	VR 11	QVZ3523-203AZ	V.RESISTOR	SEPALATION	
	VR 31	QVZ3523-103AZ	V.RESISTOR	SEPALATION	
	VR501	VCV5016-104	SEMI V RESISTOR	FOUCOS	
	VR581	NVP1412-103NZ	SEMI.V.RESISTOR	FEED	
	X 151	VCX5016-934Z	CRYSTAL		
	X 601	VCX5024-001	CRYSTAL		
	X 701	VCX5026-001Z	CRYSTAL		

9 Exploded view of enclosure component parts

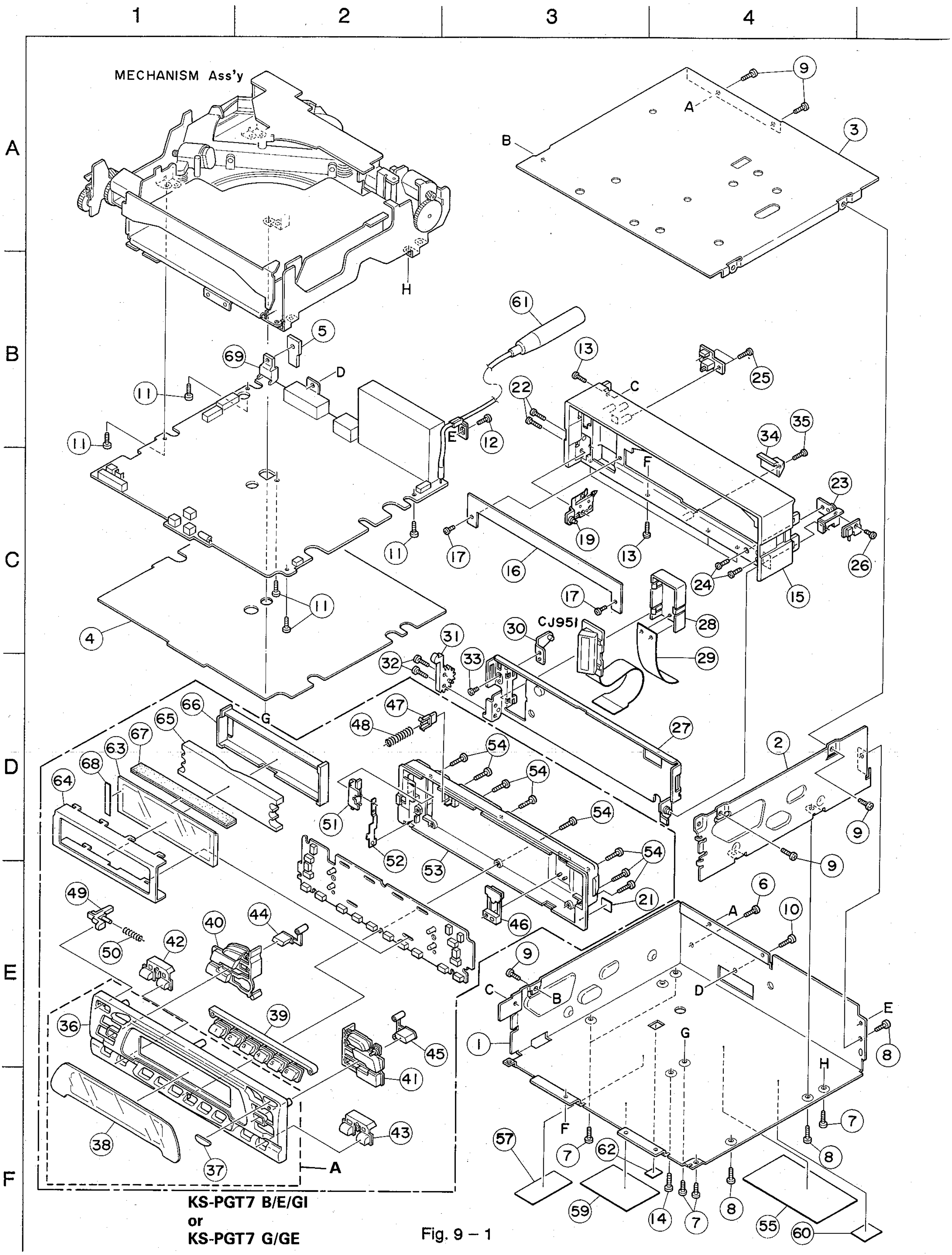
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Fig. 9 – 1

● Enclosure component parts list

BLOCK NO. M1MM□□□□

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	A	ZCKDGT7K-NPA	NOSE PIECE	INCLUDE 36-38	1	B,E,GI	
		ZCKDGT7G-NPA	NOSE PIECE	INCLUDE 36-38	1	G,GE	
	1	VKL1419-005	CHASSIS		1		
	2	VKM3777-003	SIDE BRACKET		1		
	3	VKM3778-003	TOP COVER		1		
	4	VMA3214-002	INSULATOR		1		
	5	VMH4050-001	HEAT SINK		1		
	6	SDSP2606Z	SCREW	TR BKT+CHASSIS	1		
	7	SSST2605Z	SCREW	MECHA+CHASSIS	5		
	8	SDST2605Z	SCREW	S.BKT+CHASSIS	3		
	9	SDSP2605Z	SCREW	T.COVER+CHASSIS	5		
	10	SDSP2605Z	SCREW	CHASSIS+11PIN	1		
	11	SDST2604Z	SCREW	MAIN BOARD	5		
	12	SDSP2605Z	SCREW	CHASSIS+ANT COD	1		
	13	SPSP2004M	SCREW	F.CHASSIS+CHASS	5		
	14	SDSP2610M	SCREW	BOTTOM CENTER	1		
	15	VJG1256-001	FRONT CHASSIS		1		
	16	VKM3779-002	FRONT PLATE		1		
	17	SPSN1745M	MINI SCREW	F.CHASI+F.PLATE	2		
	19	VKL7675-00A	P.BKT ASS'Y(L)		1		
	21	VYSS1R5-042	SPACER		1		
	22	SPSK2020M	MINI SCREW	P.B.A'(L)+F.CHA	2		
	23	VKL7679-002	PANEL BKT(R)		1		
	24	SPSK2040M	MINI SCREW	P.BKT(R)+F.CHAS	2		
	25	SPSN1745M	MINI SCREW	PWB+F.CHASSIS	2		
	26	SPSK2030M	MINI SCREW	PWB+P.BKT(R)	1		
	27	VKL2717-00B	P.HOLDER ASS'Y		1		
	28	VJC3252-001	CONECTOR COVER		1		
	29	VYTS518-001	FREX. COVER		1		
	30	VKL7680-00A	LOCK BKT ASS'Y		1		
	31	VKS5467-002	PANEL GEAR		1		
	32	SPSK2035M	MINI SCREW	P.GEAR+P.HOLDER	2		
	33	SPSK2030M	MINI SCREW	L.B.ASS'Y+P.HOL	1		
	34	VJK4409-001	LIGHT LENS		1		
	35	SPSN1745M	MINI SCREW	L.LENS+F.CHASSI	1		
	36	VJG1257-001	FRONT PANEL		1	B,E,GI	
		VJG1257-002	FRONT PANEL		1	G,GE	
	37	VJC4156-003	MARK		1		
	38	VJK3639-001	FINDER		1		
	39	VXP2081-002	PRESET BUTTON		1		
	40	VXP2082-002	+ - BUTTON		1		
	41	VXP2083-002	UP DOWN BUTTON		1		
	42	VXP3627-002	A.HBS BUTTON		1		
	43	VXP3634-002	MODE BUTTON		1		
	44	VXP5224-002	SELECT BUTTON		1		
	45	VXP5225-002	FUNCTION BUTTON		1		
	46	VXP5239-001	CLOSE BUTTON		1		
	47	VXP5226-001	RLS KNOB		1		
	48	VKW3001-304	COMP. SPRING	FOR RLS KNOB	1		
	49	VXP3629-001	DETACH BUTTON		1		
	50	VKW3001-302	COMP. SPRING	FOR DETACH BUTT	1		
	51	VKS3662-001	LOCK LEVER		1		
	52	VKY4694-001	LEVER SPRING	FOR LOCK LEVER	1		
	53	VJG1258-001	REAR COVER		1		
	54	SPSN1780N	MINI SCREW	F.PANEL+R.COVER	8		

BLOCK NO. M1MM

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	55	VYN3450-001SA	NAME PLATE		1	B,E	
		VYN3450-002SA	NAME PLATE		1	G,GE	
		VYN3450-003SA	NAME PLATE		1	GI	
	57	VND4221-001	CLASS 1 LABEL	TO BOTTOM	1		
	59	VND4220-001	LASER CAUTION	TO BOTTOM	1		
	60	VND4597-001	APROVAL LABEL	TO BOTTOM	1		
	61	VMP0029-033	ANTENNA CORD		1		
	62	VND4994-001	SEAL		1		
	63	VGL1149-001	LCD		1		
	64	VKM3781-001	LCD CASE		1		
	65	VJK3630-001	LCD LENS		1		
	66	VKS3659-001	LENS CASE		1		
	67	VMZ0131-002	INTER CONECTOR		1		
	68	VYSS1R1-089	SPACER		1		
	69	VKL7059-002	TR BRACKET		1		
	CJ951	VMC0278-001	CONNECTOR	FRONT PANEL	1		

10 Exploded view of hideawy amp. and removal procedure

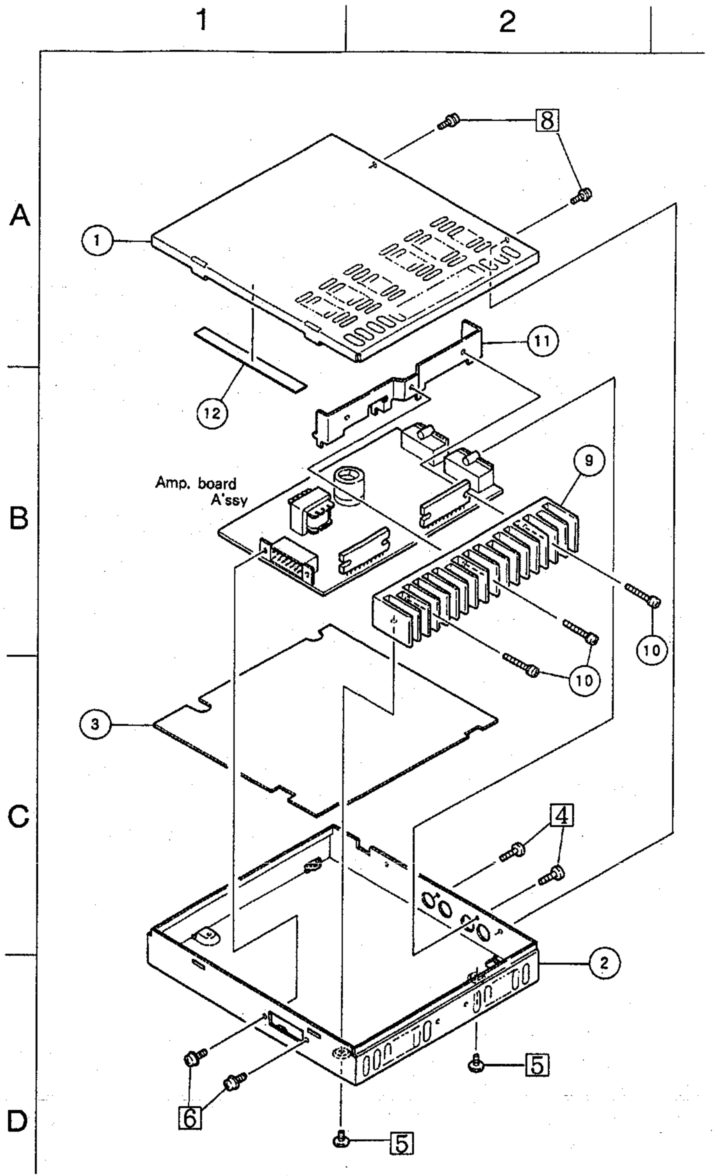

Fig. 10 – 1

■ Removal of main parts

◆ Top cover

(refer to white numerials in black circles.)

1. Remove two screws 8 retaining the top cover.
2. Slightly open the part which is secured by the screws and move the top cover rearward to take off.

◆ Amplifier board assembly

1. Remove two screws 6 retaining the controller connector .
2. Remove tow screws 4 retaining the RCA jack.
3. Remove two screws 5 retaining the heat sink from the bottom side.

● Hideawy amp. component parts list

BLOCK NO. M2MM□□□□

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	H 1	VKL2476-004	TOP CASE		1		
	H 2	VKL2477-005	BOTTOM CASE		1		
	H 3	VMA3157-001	INSULATOR		1		
	H 4	SDSF3010Z	SCREW		2		
	H 5	VKZ4367-002	SPECIAL SCREW		2		
	H 6	LPSP3006Z	SCREW		2		
	H 8	SDST2606Z	SCREW		2		
	H 9	VMH4031-001	HEAT SINK		1		
	H 10	LPSP3014Z	SCREW		3		
	H 11	VKM3286-001	IC BRACKET		1		
	H 12	VYSA1R4-091	SPACER		1		

11 Exploded view of mechanism component parts

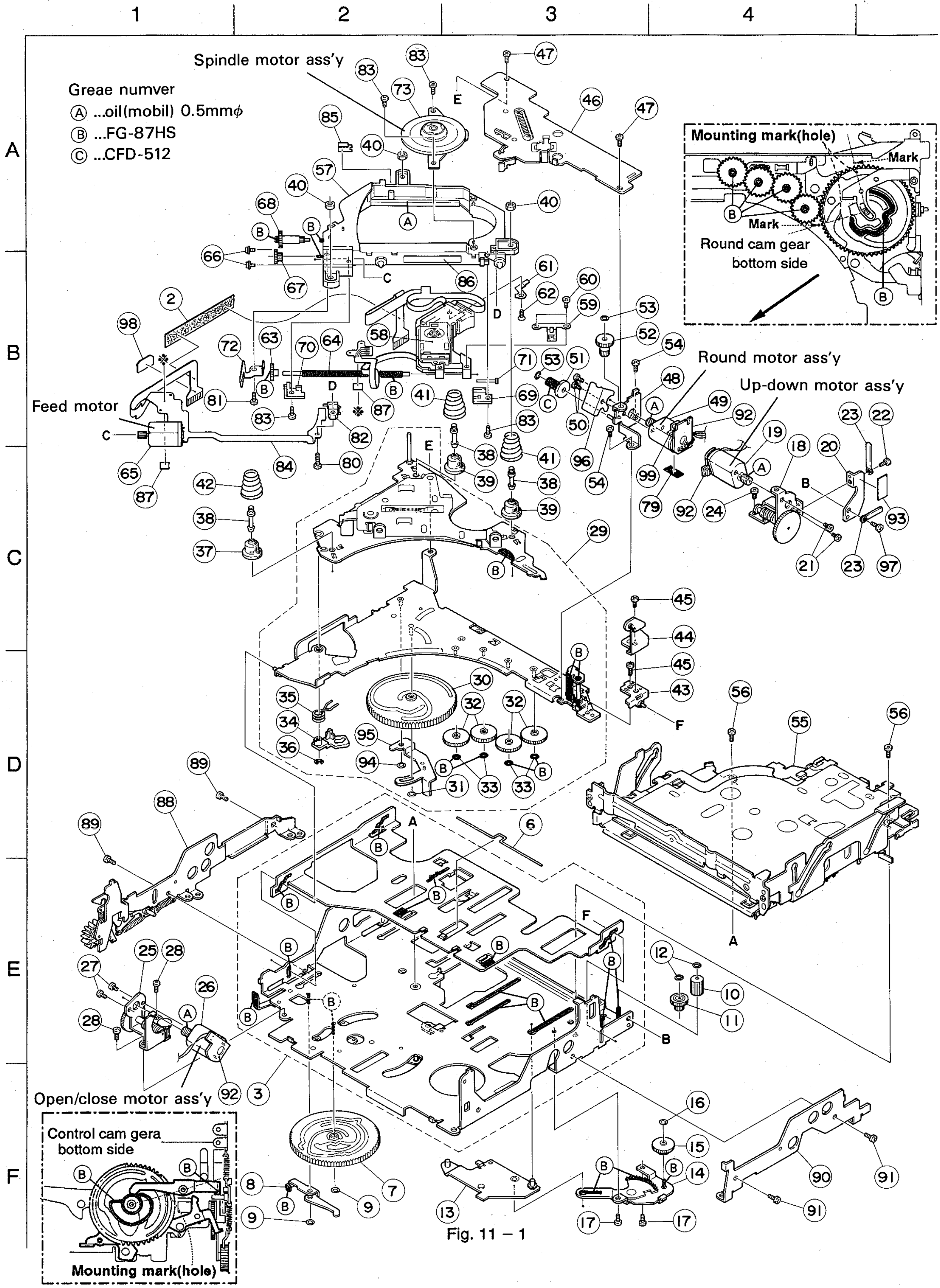
1
2
3
4
A
B
C
D
E
F
Greae numver
Ⓐ ...oil(mobil) 0.5mmϕ
Ⓑ ...FG-87HS
Ⓒ ...CFD-512
Spindle motor ass'y
Mounting mark(hole)
Mark
Mark
Round cam gear
bottom side
Round motor ass'y
Up-down motor ass'y
Feed motor
Open/close motor ass'y
Control cam gera
bottom side
Mounting mark(hole)

Fig. 11 – 1

● Mechanism component parts list

BLOCK NO. M3MM

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	2	VYSA1R4-050	SPACER	PICKUP FREX PCB	1		
	3	VKL2706-00A	M.CHASSIS UNIT		1		
	6	VKW5073-003	SPRING BAR		1		
	7	VKR3185-002	CONTROL CAM		1		
	8	VKL7562-003	DOOR OPENER(1)		1		
	9	WDL214025-4	SLIT WASHER	CONTROL CAM/OPE	2		
	10	VKR4698-001	JOINT GEAR(1)		1		
	11	VKR4699-002	JOINT GEAR(2)		1		
	12	WDL163225-0	SLIT WASHER	JOINT GEAR	2		
	13	VKM3724-00A	S.SLIDE CAM ASY		1		
	14	VKL7563-00A	D.ARM BKT.ASSY		1		
	15	VKS5267-002	CONNECT GEAR		1		
	16	WDL122525-6	SLIT WASHER	CONTROL GEAR	1		
	17	VKZ4539-002	MINI SCREW	D.ARM BRACKET	2		
	18	VKM3730-00C	M.BRACKET(2)	UP-DOUN MOTOR	1		
	19	FF030PA08250-S1	MOTOR ASS'Y	UP-DOWN MOTOR	1		
	20	VKL7648-001	SUPPORT ARM		1		
	21	SPSK2020M	MINI SCREW	UP-DOWN MOTOR	2		
	22	VKZ4539-002	MINI SCREW	SUPPORT ARM	1		
	23	VKZ4001-013	WIRE HOLDER	FOR U/D MOTOR W	1		
		VKZ4001-013	WIRE HOLDER		1		
	24	VKZ4539-002	MINI SCREW	UP DOWN MOTOR	1		
	25	VKM3732-00B	ACTUATOR UNIT		1		
	26	FF030PA08250-S1	MOTOR ASS'Y	ACTUATOR MOTOR	1		
	27	SPSK2020M	MINI SCREW	ACTUAROR MOTOR	2		
	28	VKZ4539-002	MINI SCREW	ACTUATOR UNIT	2		
	29	VKL2707-00E	S.CHASSIS UNIT		1		
	30	VKR3191-001	ROUND CAM		1		
	31	WDL214025-0	SLIT WASHER	ROUND CAM	1		
	32	VKR4718-001	ACTUATOR GEAR		4		
	33	WDL163225-0	SLIT WASHER	ACTUATOR GEAR	4		
	34	VKS3636-004	SWING ARM		1		
	35	VKW5075-001	ROUND SPRING		1		
	36	REE1500X	E.RING		1		
	37	VKZ4704-001	DAMPER		1		
	38	VKH5738-002	DAMPER SHAFT		3		
	39	VKZ4704-002	DAMPER		2		
	40	NNB2000N	NUT		3		
	41	VKW5081-002	COMPRESSION SP.		2		
	42	VKW5081-003	COMPRESSION SP.		1		
	43	VKL7582-00A	SUB CHAS.(2)ASY		1		
	44	VKL7671-001	SUB ARM		1		
	45	VKZ4539-002	MINI SCREW		2		
	46	VKM3769-00B	GUIDE PLATE ASY		1		
	47	VKZ4539-002	MINI SCREW	GUIDE PLATE	2		
	48	VKL7599-00A	M. BKT.(1)ASS'Y		1		
	49	FF030PA08250-S1	MOTOR ASS'Y	ROUND MOTOR	1		
	50	SPSK2020M	MINI SCREW	ROUND MOTOR	2		
	51	VKR4722-002	WORM GEAR		1		
	52	VKR4723-001	WHEEL GEAR		1		
	53	WDL122525-6	SLIT WASHER	WHEEL GEAR	2		
	54	VKZ4539-002	MINI SCREW	ROUND MOTER UNI	2		
	55	VKL2698-00F	M.HOLDER UNIT		1		
	56	VKZ4539-002	MINI SCREW	M HOLDER UNIT	2		

BLOCK NO. M3MM

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	57	VKS1128-001	CHASSIS	CD PICK UP	1		
⚠	58	OPTIMA-65ASA	PICK UP UNIT	S2 TYPE	1		
	59	VKL7632-001	RACK PLATE		1		
	60	SPSK1730M	MINI SCREW	RACK PLATE	2		
	61	VKL7673-001	P.S.SPRING		1		
	62	SSSK1750N	MINI SCREW	P.S.SPRING	1		
	63	VKS5423-001	S.SHAFT GEAR		1		
	64	VKZ4703-001	SCREW SHAFT		1		
	65	FF030PA11160-S1	MOTOR(FEED)		1		
	66	LPSP2004Z	SCREW	FEED MOTOR	2		
	67	VKS5393-001	MIDDLE GEAR		1		
	68	VKS5458-001	THIRD GEAR		1		
	69	VKS5459-001	SHAFT HOLDER(F)		1		
	70	VKS5460-001	SHAFT HOLDER(R)		1		
	71	VKS5390-001	SWITCH BAR		1		
	72	VKL7633-001	STOPPER SPRING		1		
	73	RF3LOPA12330-S1	SPINDLE MOTOR	ASS'Y PARTS	1		
	79	VYSA1R4-083	SPACER	FOR MOTOR WIRE	1		
	80	VKZ4539-022	MINI TAP SCREW	FOR SWITCH	1		
	81	VKZ4248-204	MINI TAP SCREW	STOPPER SPRING	1		
	82	VSH1143-001	SWITCH		1		
	83	VKZ4248-204	MINI TAP SCREW		4		
	84	VMW3687-001	PW BOARD		1		
	85	VKL7720-002	FPC HOLDER		1		
	86	VYTT473-003	DOUBLE FACE		1		
	87	VYTT473-005	DOUBLE FACE		2		
	88	VKM3761-00D	D.OPENER UNIT		1		
	89	VKZ4539-002	MINI SCREW	DOOR OPENER UNI	2		
	90	VKM3763-002	SIDE BRACKET		1		
	91	VKZ4539-002	MINI SCREW	SIDE BRAKET	2		
	92	VMW5527-001QX	PW BOARD(1/20)		1		
	93	VYSA1R6-061	SPACER		1		
	94	WDL214025-0	SLIT WASHER		1		
	95	VKL7595-00A	SW.ACTUATOR ASY	NON SERVICE PAR	1		
	96	VKL7744-001	PROTECTOR	ROUND MOTOR	1		
	97	SSST2004Z	SCREW	SUPPORT ARM	1		
	98	VYSA1R4-058	SPACER	PICK FPC	1		
	99	VSH1153-001	SWITCH		1		

12 Packing

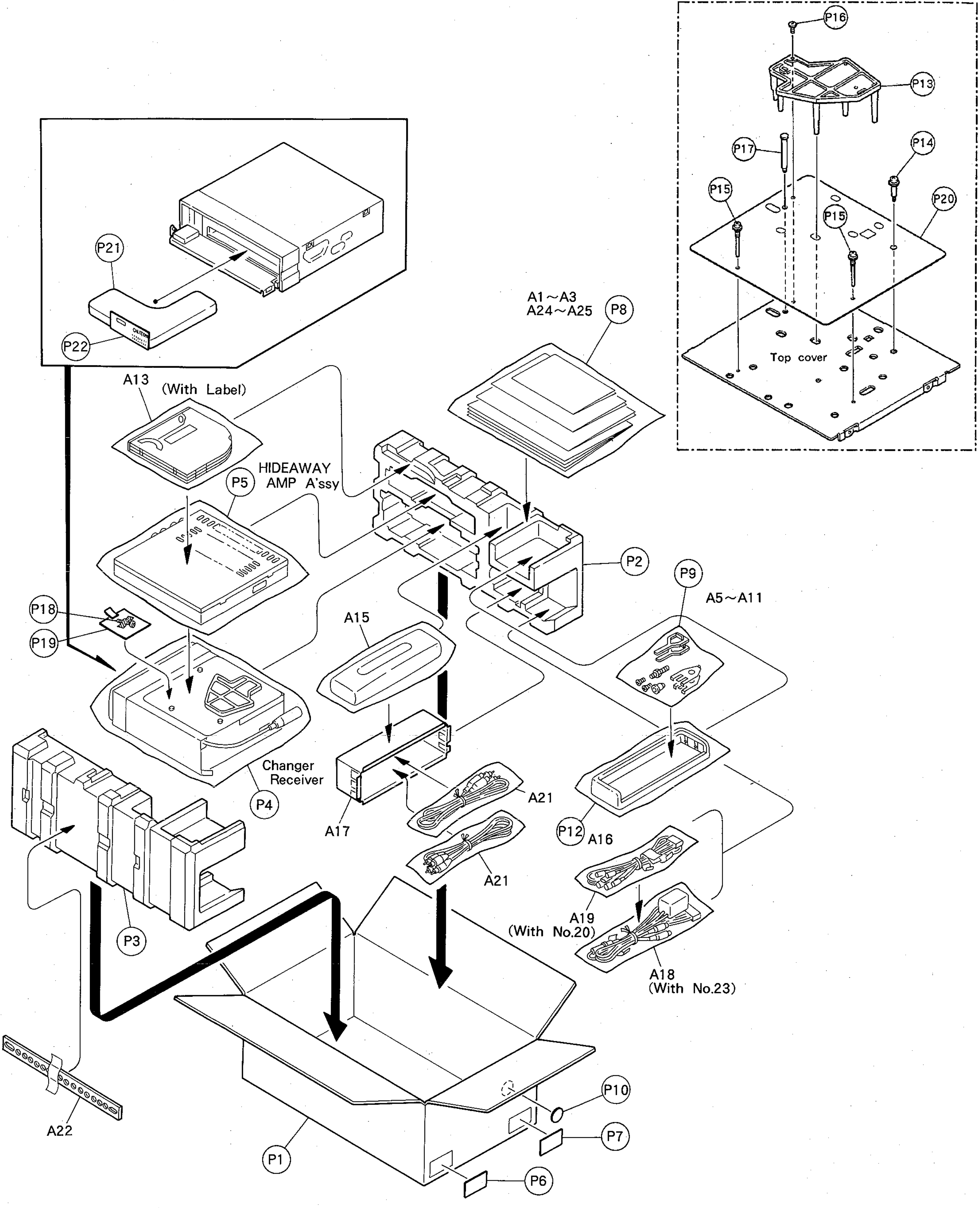
P16
P13
P17
P14
P15
P20
P15
Top cover
P21
P22
A1～A3
A24～A25
P8
A13
(With Label)
HIDEAWAY
AMP A'ssy
P5
P2
P9
A5～A11
P18
P19
A15
Changer
Receiver
P4
A21
A17
A21
P12
A16
A19
(With No.20)
A18
(With No.23)
P3
A22
P10
P7
P1
P6

Fig. 12 – 1

● Packing parts list

BLOCK NO. M4MM

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	P 1	VPC3450-001	CARTON		1		
	P 2	VPH1637-001	CUSHION(L)	LEFT SIDE	1		
	P 3	VPH1638-001	CUSHION(R)	RIGHT SIDE	1		
	P 4	VPE3005-066	POLY BAG	FOR SET	1		
	P 5	VPE3004-001	POLY BAG	FOR HIDEAWAY	1		
	P 6	VND3071-066	EAN CODE LABEL	EAN CODE	1		
		VND3046-001	SERIAL TICKET		1	GI,GE	
		VND3046-005	SERIAL TICKET		1	G	
		VND3046-004	SERIAL TICKET		1	B	
		VND3046-003	SERIAL TICKET		1	E	
	P 8	QPGB017-02404	POLY BAG	FOR INSTRUCTION	1		
	P 9	QPGA008-01205	POLY BAG	FOR SCREW SET	1		
	P 10	QZLA001-011	MARK	TO CARTON BOX	1	E,G,GE	
	P 12	QPGA010-02505	POLY.BAG	FOR TRIM PLATE	1		
	P 13	VKS3668-001	HOLDER		1		
	P 14	VKZ4719-001	SPECIAL SCREW		1		
	P 15	VKZ4720-001	SPECIAL SCREW		2		
	P 16	SWSP2606Z	SCREW		1		
	P 17	VKZ4724-001	HOLDER PIN		1		
	P 18	SPSJ1725M	MINI SCREW		1		
	P 19	VND4619-004	SHEET		1		
	P 20	VND3109-001	CAUTION SHEET		1		
	P 21	VPK4304-003	MECHA HOLDER		1		
	P 22	VND4993-002	CAUTION SHEET		1		

● Accessories list

BLOCK NO. M4MM

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	A 1	VNN3450-451	INSTRUCTIONS		1	E	
		VNN3450-211	INSTRUCTIONS		1		
		VNN3450-481	INSTRUCTIONS		1	E	
		VNN3450-471	INSTRUCTIONS		1	GI	
	A 2	VNC2400-090	CAUTION SHEET		1		
	A 3	BT20060	WARRANTY CARD		1	B	
		BT-20066A	WARRANTY CARD		1	B	
		BT-20135	WARRANTY CARD		1	G	
	A 5	VKZ4027-002	PLUG NUT		1		
	A 6	VKH4871-001	MOUNT BOLT		1		
	A 7	VKY4687-001	SIDE SPRING		2		
	A 8	VKZ4671-001	SPECIAL SCREW	FOR SIDE SPRING	2		
	A 9	VKL7701-001	HOOK		2		
	A 10	VKZ4328-001	LOCK NUT		1		
	A 11	WNS5000Z	WASHER		1		
	A 13	VKZ3171-00F	MAGAZINE		1		
	A 15	VJB3034-003	HARD CASE		1		
	A 16	VJD3967-001	TRIM PLATE		1		
	A 17	VKM3780-001	MOUNTING SLEEVE		1		
	A 18	VMC0014-133	11P CORD ASS'Y		1		
	A 19	VMC0014-137	11P CORD A'SSY	FOR HIDEAWAY	1		
	A 20	QMF61G3-8R0J1	FUSE	FOR HIDEAWAY	1		
	A 21	VMP0095-001	PIN-PIN CORD	FOR HIDEAWAY	2		
	A 22	VKL5460-001	STAY		1		
	A 23	QMF61G3-6R3J1	FUSE	FOR CHANGER	1		
	A 24	VNC2400-094	CAUTION SHEET	MOUNTING CAUTIO	1		
	A 25	VND3050-001	IDENTITY CARD		1		
	KIT 1	KDGT7E-SCREW1	SCREW KIT 1	A5-A11,P9	1		
	KIT 3	KDGT7K-SCREW3	SCREW PARTS KIT	P18-P19	3		

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